The Research Development unit of the Office of Research at the University of California, Santa Barbara publishes Funding Resources.

Funding Resources is also available online: http://www.research.ucsb.edu/research-development/find-funding

RESEARCH DEVELOPMENT CONTACT INFORMATION

Meredith Murr
Director, Research Development
murr@research.ucsb.edu or 893-3925

Barbara Walker, Director,
Research Development for the
Social Sciences, Humanities, and Fine Arts
walker@research.ucsb.edu or 893-3576

Maria Napoli
Research Development Specialist
napoli@research.ucsb.edu or 893-7345

Whitney Winn
Research Development Analyst
winn@research.ucsb.edu or 893-8891

TABLE OF CONTENTS

Campus and Agency News 1
Contract and Grant Awards 5
Department of Agriculture 7
Department of Commerce 8
Department of Defense 9
Department of Education 11
Department of Energy 12
Department of Homeland Security 13
Housing and Urban Development 14
Department of Justice 14
Environmental Protection Agency 18
IMLS 19
Institute of Peace 19
NASA 20
NARA 21
NEA 22
NEH 23
NIH 24
National Science Foundation 45
Nuclear Regulatory Commission 57
Private/Nonprofit 57
UC and State of California 68

Campus and Agency News

NEH PROGRAM OFFICER VISIT

You are invited to the UCSB Interdisciplinary Humanities Center (IHC) for two days of events with Dr. Stefanie Walker, Program Officer, Division of Research Programs at the National Endowment for the Humanities (NEH).

Please join us for this unique opportunity to learn more about NEH funding opportunities for academic and cultural institutions in our Central Coast community (including libraries, schools, and museums). These events are free and open to the public. Events will be held in the IHC Conference Room, 6020 HSSB. Information and registration can be found here: http://www.ihc.ucsb.edu/neh/

February 22
9:30 – 11:00 Individual Consultations with Dr. Walker
1:00 – 2:30 Presentation: NEH Overview and Special Initiatives
2:30 – 3:00 Refreshments
3:00 – 4:30 NEH Mock Review Panel and Proposal Writing Strategies

February 23
9 – 11:30 Individual Consultations with Dr. Walker
2 – 4:30 Individual Consultations with Dr. Walker

To attend the NEH workshops, please send an email with the following information to rsvp@research.ucsb.edu: Name, Title, Department, Institution, E-mail address

Dr. Walker will be available to meet with individual researchers or collaborative groups to discuss prospective research programs and proposals. To schedule a 20 minute consultation with Dr. Walker, please contact Whitney Winn at funding@research.ucsb.edu.

For questions about this event, please contact Barbara Walker, Director, Research Development for the Social Sciences, Humanities and Fine Arts: walker@research.ucsb.edu.

NSB SEEKS FEEDBACK ON NSF’S MERIT REVIEW CRITERIA

The National Science Board (NSB) is undertaking a thorough review of the National Science Foundation’s two merit review criteria (Intellectual Merit and Broader Impacts). Researchers are encouraged to provide comments and suggestions for improvements. NSF has established a web site through which you can submit your thoughts and ideas: http://www.nsf.gov/funding/meritreviewform.cfm.

NSF DATA MANAGEMENT PLANS

NSF proposals submitted or due on or after January 18, 2011, must include a supplementary document of no more than two pages labeled Data Management Plan. This supplementary document should describe how the proposal will conform to NSF policy on the dissemination and sharing of research results. See Grant Proposal Guide (GPG) Chapter II.C.2j for full policy implementation. Specific requirements from directorates and FAQs are also available at http://www.nsf.gov/bfa/dias/policy/dmp.jsp.

For campus guidance on the creation of a data management plan, please contact Barbara Walker at walker@research.ucsb.edu or ext. 3576 (Social Sciences) or Maria Napoli at napoli@research.ucsb.edu or ext. 7345 (Science and Engineering).
LOOKING FOR THE NSF IGERT SOLICITATION?
The NSF Integrative Graduate Education and Research Traineeship Program (IGERT) solicitation, which typically is released in January, is undergoing changes and is expected to be posted this spring. The program provides funding for interdisciplinary research-based graduate education and training activities.

Historically, the campus has been limited to four applications, so a campus review will be necessary and information will be disseminated to campus as soon as it is available. For this upcoming competition it is anticipated that there will be no preliminary proposals.

Interested PIs should start thinking about projects now based on last year’s solicitation, though requirements may change. Information about last year’s program is available at [http://www.nsf.gov/pubs/2010/nsf10523/nsf10523.htm](http://www.nsf.gov/pubs/2010/nsf10523/nsf10523.htm). Please contact Meredith Murr at murr@research.ucsb.edu or ext. 3925 with any questions about the program or the campus process.

ELIMINATION OF NIH TWO-DAY ERROR CORRECTION WINDOW

NIH, AHRQ, and NIOSH will eliminate the two-day error correction window from the application submission process beginning with due dates on or after January 25, 2011.

Principal Investigators and departments are reminded that even minor errors can cause an electronic proposal submitted through Grants.gov to be rejected. This means that “late” proposals submitted to SPO, i.e., proposals submitted less than three working days before the due date, will definitely be at greater risk for submission failure after January 25, 2011.

To avoid this problem, PIs may want to consider submitting their proposal to SPO with a “draft” technical section if all other administrative sections of the proposal are complete. If such a proposal is submitted to SPO three working days before the deadline, the proposal will be considered “on time.” SPO then will be able to review the administrative section for errors that can affect the submission of the proposal while the PI completes the technical section.

When choosing this option, PIs must make sure that the administrative section in the final version of the proposal does not differ from the administrative section SPO has already reviewed in the draft version, otherwise new errors may not be identified.

SPONSORED PROJECTS TRAINING FOR ADMINISTRATORS IN RESEARCH (STAR)

Developed by the Office of Research, STAR, the Sponsored Projects Training for Administrators in Research program is designed for employees with duties and responsibilities related to contract and grant administration. Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate. The program offers 11 required courses, which are provided in one series of courses offered from September through June. Classes meet in the Marine Sciences Building Auditorium (MSB 1302). For more information please visit [http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/star-class-schedule](http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/star-class-schedule) or e-mail training@research.ucsb.edu.

Financial Management (3 hours)
This course addresses the financial aspects of administering an extramural award. Financial topics reviewed are direct costing, re-budgeting, cost transfers, overdrafts and balances, close-out procedures and reports, and Personnel Activity Reporting.

Thursday, March 3, 2011; 9 a.m.–noon
Research Administration and Compliance I (3 hours)
This course addresses the research administration compliance environment, including federal and state conflict-of-interest regulations, conflict of commitment, significant compliance risks in research administration, insider tips/preparing for an audit, the UC Whistleblower Policy, and real-life examples of university research compliance issues.
Thursday, April 7, 2011; 9 a.m.–noon

CAMPUS HONORS AND AWARDS

• Richard P. Appelbaum, professor of sociology and global and international studies, was named a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions to our understanding of labor, human rights, and the contribution of advanced technologies in fostering sustainable, equitable development in emerging economies.

• Bruce Bimber, professor of political science and communication, was named a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions to advancing knowledge about the interfaces of society with science and technology, particularly in the areas of media and politics.

• Andrew Cleland, professor of physics, was named a Fellow of the American Association for the Advancement of Science (AAAS) for fundamental contributions to nanomechanics, developing the first nanomechanical structures and demonstrating the first quantum-limited measurements thereof, as well as writing the leading textbook, Foundations of Nanomechanics.

• A quantum device designed by a team of UCSB physicists led by Andrew Cleland and John Martinis has been named the 2010 Breakthrough of the Year by the journal Science.

• Francis J. “Frank” Doyle III, professor of chemical engineering and Mellichamp Chair in Process Control, was named a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions to the field of systems biology, particularly for the use of control principles in the analysis of biological networks.

• Catherine Gautier, professor of geography, was named a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions to the fields of atmospheric radiation physics, climate science, and climate science education.

• Michael Goodchild, professor of geography, is the first scholar appointed to the Jack and Laura Dangermond Professorship in geography.

• Arthur C. Gossard, professor of materials and former associate vice chancellor, academic affairs, was named a Fellow of the American Association for the Advancement of Science (AAAS) for pioneering the growth of 2-D semiconductor quantum well materials that enabled the first observation of the fractional quantum Hall effect.

• Joseph Incandela, professor of physics, was named a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions to particle physics, especially for developing and building silicon trackers that enabled new discoveries at the Fermilab Tevatron.

• Mark Rodwell, professor of electrical and computer engineering, has been awarded the Doluca Family Chair in Electrical and Computer Engineering in recognition of his exceptional achievements.

• Verta Taylor, professor of sociology, is the recipient of the 2011 Jesse Bernard Award from the American Sociological Association. This is the premier award in the discipline of sociology for career achievement “in recognition of scholarly work that has enlarged the horizons of sociology to encompass fully the role of women in society.”
• **James A. “Jamie” Thomson**, co-director of regenerative biology for UCSB’s Center for Stem Cell Biology and Engineering, has been named a co-winner of the 2011 King Faisal International Prize for Medicine.

• **Chris G. Van de Walle**, professor of materials, was named a Fellow of the American Association for the Advancement of Science (AAAS) for pioneering research on the theory of semiconductor interfaces and defects in solids, and for leadership in computational physics and materials science.

---

**LIMITED SUBMISSION DEADLINES**

The Office of Research administers the campus selection process for most limited submission competitions. These programs restrict the number of applications, nominations, or proposals that an institution can submit to an agency and require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor. They are typically due to the Office of Research two months prior to the agency deadline. If fewer submissions than the eligible number are received for the campus deadline, approval to apply may be granted on a first come first served basis.

More information about the programs and campus procedures can be found at [http://www.research.ucsb.edu/funding/LimitedSubmission.aspx](http://www.research.ucsb.edu/funding/LimitedSubmission.aspx).

Programs with upcoming campus deadlines include:

- IMLS 21st Century Museum Professionals Program—Campus Notice of Intent 2/7/11; Agency deadline 3/15/11
- NIH Intellectual and Developmental Disabilities Research Centers 2011 (P30)—Campus Notice of Intent 2/7/11; Agency LOI 2/22/11; Agency deadline 3/22/11
- NEA Grants for Arts—Campus Notice of Intent 2/7/11; Agency deadlines 3/10/11; 5/26/11; 8/11/11
- EPA Community Action for a Renewed Environment (CARE) Program—Campus Notice of Intent 2/7/11; Agency deadline 3/22/11
- NSF Nanotechnology Undergraduate Education (NUE) in Engineering—Campus Notice of Intent 2/22/11; Agency deadline 4/20/11
- NIH Shared Instrumentation Grant Program (S10)—Campus Notice of Intent 2/22/11; Agency deadline 3/23/11
- NSF Science and Technology Centers - Integrative Partnerships—Campus Notice of Intent 3/7/11; Agency deadline 5/30/11

Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):

- The NSF-Census Research Network—OR has not received any notices of intent; Agency deadline 2/16/11
- Dana Foundation Program in the Neuroimmunology of Brain Cancers and Infections—OR has not received any notices of intent; Agency deadline 2/22/11
- NSF Research Experiences for Teachers (RET) in Engineering and Computer Science Site Proposals—OR has not received any notices of intent; Agency deadline 2/28/11
- NSF Undergraduate Research and Mentoring in the Biological Sciences (URM)—OR has not received any notices of intent; Agency deadline 3/1/11
- NSF High Performance Computing System Acquisition Enhancing the Petascale Computing Environment for Science and Engineering—OR has not received any notices of intent; Agency deadline 3/7/11
- NSF Ethics Education in Science and Engineering (EESE)—OR has not received any notices of intent; Agency deadline 3/14/11
- NIH Superfund Hazardous Substance Research and Training Program (P42)—OR has not received any notices of intent; Agency LOI 3/16/11; Agency deadline 4/15/11
Contract and Grant Awards
December 2010


Bowers, J.E., Electrical & Computer Engineering, $70,000, Intel Corporation, “Heteroepitaxial Hybrid Silicon Lasers.”


Cooper, S.D. (Ecology, Evolution & Marine Biology), Alagona, P. (History), Marine Science Institute, $18,000, Marine Fisheries Service, “Documenting the Historic Distribution of Steelhead and Rainbow Trout (Oncorhynchus mykiss) in the Santa Ynez River, Santa Barbara County, California.”


Dixon, C. (Education), Gevirtz Graduate School of Education Research Office, $27,000, UC California Writing Project, “South Coast Writing Project 10-11 *State.”

Dixon, C. (Education), Gevirtz Graduate School of Education Research Office, $43,482, UC California Writing Project, “South Coast Writing Project 10-11 *NCLB.”

Epstein, J., English, $84,334, American Council of Learned Societies, “ACLS New Faculty Fellows Program.”

Ford, A., Institute for Social, Behavioral, & Economic Research, $1,500, UC MEXUS, “Volcanic Ash and Ancient Maya Pottery.”

Goodchild, M.F., Geography, $18,000, National Science Foundation, “Workshop on Spatio-Temporal Constraints on Social Networks.”


Kydland, T., Neuroscience Research Institute, $12,500, Santa Barbara Cottage Hospital, “A Visual Short Term Memory Binding Protocol to Detect Mild Cognitive Impairment and Early Stages of Alzheimer’s Disease.”

Leal, L.G. (Chemical Engineering), Materials Research Laboratory, $2,960,689, Los Alamos National Security, LLC, “Institute for Multiscale Materials Studies (IMMS).”


Liebling, M., Electrical & Computer Engineering, $10,000, National Science Foundation, “Support Young Investigator Attendance at the 2011 IEEE International Symposium on Biomedical Imaging in Chicago, IL, March 30-April 2, 2011.”

Love, M.S., Marine Science Institute, $100,372, UC Santa Cruz, “Investigations in Fisheries Ecology.”


Mitragotri, S.S., Chemical Engineering, $75,000, Genentech, Inc., “Nanoparticles for Site-Specific Targeted Delivery of Drugs.”
Morrison, G., Graduate Division, $175,020, U.S. Department of Education, “Jacob Javits Graduate Fellowship.”

Ostwald, T., Chemistry & Biochemistry, $48,000, UC Office of the President, “South Coast Science Project.”

Schneider, B.E. (Sociology), Oliver, M.L., College of Letters & Science, $50,000, UC Office of the President, “Alliance for Graduate Education and the Professoriate Phase II - SBES.”


Stratton, E., Thorsch, J.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, $32,000, Goleta Valley Land Trust, “Restoration of Bluff Edge at West Campus Bluffs.”


Theogarajan, L., Electrical & Computer Engineering, $90,000, Intel Corporation, “Electronic DNA Barcode Sequencing.”


Treu, T., Physics, $146,126, Association of Universities for Research in Astronomy, “SWELLS: Doubling the Number of Disk-Dominated Edge-On Spiral Lens Galaxies.”

Valentine, D.L. (Earth Science), Marine Science Institute, $40,606, Consolidated Safety Services, “Pisces Cruise to Study the Effects of the Deepwater Horizon.”


Weissglass, J. (Education), Terman, N. (Education), Gevirtz Graduate School of Education, $25,000, UC Office of the President, “Tri-County Mathematics Project 10-11 *NCLB 7.”

Data provided by the Office of Research. “()” represent investigators’ home departments when those are different from the administering unit.
Program Announcements
February 2011

Helpful Hints
- Program announcements are organized by funding agency and then by deadline.
- **Limited submission programs** restrict the number of applications, nominations, or proposals an institution can submit to an agency. These programs require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor and are typically due to the Office of Research two months prior to the agency deadline. If you are interested in applying, please contact Whitney Winn at funding@research.ucsb.edu or ext. 8891, well in advance of the deadline. A list is available on our website: http://www.research.ucsb.edu/funding/LimitedSubmission.aspx
- In order to provide a full and complete review, Sponsored Projects in the Office of Research must receive proposals at least four full working days prior to funding agency deadlines.

Department of Agriculture (USDA)

2/10/2011  Application

**Organic Agriculture Research and Extension Initiative**
Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA)
Contact: Mary Peet, 202/401-4202, mpeet@nifa.usda.gov
Solicitation number: CFDA 10.307

The purpose of this program is to fund high priority research and extension projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products. Priority concerns include biological, physical, and social sciences, including economics. The OREI is particularly interested in research and outreach projects that will assist farmers and ranchers with whole farm planning by delivering practical research-based information. The following four types of projects are being requested: 1) Integrated Project Proposals; 2) Conference Proposals, which support workshops or symposia bringing together scientists and others, including end-users, to identify research or extension needs, update information, or advance understanding of organic issues and problems using a systems-based approach; 3) Research and Extension Planning Proposals, which provide assistance in the development of high quality future OREI proposals; and 4) eXtension Proposals, which develop content for, or otherwise support eOrganic or other eXtension Communities of Practice (CoP) or to establish a new CoP. The respective maximum funding amounts are $3M for two to four years, $50K for one year, $50K for one year, and $1M for three to four years.

3/3/2011  Application

**Pest Management Alternatives**
Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA)
Contact: Monte Johnson, 202/401-1108, mpjohnson@nifa.usda.gov
Solicitation number: USDA-NIFA-SRGP-003404

Applications should address needs in integrated pest management (IPM) for food, feed, fiber, forest, human, and livestock health, and ornamental commodities resulting from the implementation of the Food Quality Protection Act of 1996 and related regulatory actions. Excluded are physiological problems not associated with a pest. Typically, six to eight projects will be funded each fiscal year at $100K to $200K per award. The maximum project period is two years.

5/18/2011  Application

**Agriculture and Food Research Initiative Competitive Grants Program - Childhood Obesity Prevention**
Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA)
Contact: Etta Saltos, 202/401-5178, esaltos@nifa.usda.gov
Solicitation number: CFDA 10.310

This RFA focuses on finding effective interventions to prevent obesity through applied research, translational research, and integrated research, education, and extension projects that can result in actionable strategies. The main program area is Integrated Research, Education, and Extension to Prevent Childhood Obesity. In FY 2011, pre-adolescent and early adolescent children (ages 9-14 years) will be targeted.

Department of Commerce (DOC)
2/7/2011  Full Proposal

**Meteotsunami Warning Project**
Department of Commerce, National Oceanic and Atmospheric Administration (NOAA)
http://www07.grants.gov/search/search.do?oppid=62874&mode=VIEW
Contact:  Jennifer Rhoades, 301/713-1677 x102, jennifer.rhoades@noaa.gov
Solicitation number:  NOAA-NWS-NWSPO-2011-2002833
This program’s mission is to provide reliable tsunami forecasts and warnings and to promote community resilience. This program requests research to address these primary objectives: 1) Identify the causative forces and pre-cursor environmental conditions which have generated meteotsunamis historically; 2) Define the observational systems, communications, and processing systems necessary to evaluate meteotsunami formation prior to impact along a coast; and 3) Develop a protocol for issuing meteotsunami warnings along the U.S. coast. It is anticipated that one award, limited to a maximum of $200K for the first year, and $150K for the remaining time period, will be made. The entire project duration is approximately 21 months.

3/4/2011  Full Proposal

**Hurricane Forecast Improvement Project**
Department of Commerce, National Oceanic and Atmospheric Administration (NOAA)
http://www07.grants.gov/search/search.do?oppid=62593&mode=VIEW
Contact:  Daniel Melendez, 301/713-3557 x181, Daniel.Melendez@noaa.gov
Solicitation number:  NOAA-NWS-NWSPO-2011-2002893
This project is meant to engage and coordinate hurricane research required to improve operational hurricane forecasts. HFIP is soliciting proposals to support academia for projects involving applied hurricane science and/or hurricane modeling that demonstrates potential to transition into operational hurricane systems with the goal of improving operational hurricane guidance. Successful projects are expected to provide promising near term improvements to operational hurricane forecasts. This would be accomplished through transition of applicable and transferable research modeling applications into operational hurricane systems within two to three years after completion of the funding period. Projects to be funded will involve both research and operational high-resolution regional hurricane models. About 6 to 10 awards are expected, with individual award amounts ranging from $50K to $150K per year for two years.

5/6/2011  Full Proposal (by invitation only)

**Precision Measurement Grant Program**
Department of Commerce, National Institute of Standards and Technology (NIST)
Contact:  Christopher Hunton, 301/975-5718, Christopher.hunton@nist.gov
Solicitation number:  2011-PMGP-01
NIST sponsors these grants and cooperative agreements primarily to encourage basic, measurement-related research and to foster contacts between NIST scientists and those faculty members of academic institutions and other researchers who are actively engaged in such work. These grants are also intended to make it possible for researchers to pursue new ideas for which other sources of support may be difficult to find. There is some latitude in research topics that will be considered under this program; the key requirement is that the proposed project is consistent with NIST’s ongoing work in the field of basic measurement science. Applicants should propose multi-year projects for up to three years at no more than $50K per year.

6/1/2011  Ongoing (all other research grants)

**Measurement Science and Engineering Research Grants Program**
Department of Commerce, National Institute of Standards and Technology (NIST)
Contact:  Varies with research interest
Solicitation number:  2011-MSE-01
The National Institute of Standards and Technology (NIST) announces that the following programs are soliciting applications for financial assistance for FY 2011: (1) the Material Measurement Laboratory Grants Program; (2) the Physical Measurement Laboratory Grants Program; (3) the Engineering Laboratory Grants Program; (4) the Fire Research Grants Program; (5) the Information Technology Laboratory Grants Program; (6) the NIST Center for Neutron Research Grants Program; (7) the Center for Nanoscale Science and Technology Grants and Cooperative Agreements Program; (8) the Standards Services Group Grants and Cooperative Agreements Program; and (9) the Law Enforcement Standards Office (OLES) Grants and Cooperative Agreements Program. Requirements for each program vary; check the full guidelines for more information.
**Advanced X-Ray integrated Sources (AXiS)**

Defense Advanced Research Projects Agency (DARPA)

[https://www.fbo.gov/download/a18/a185bb1531cde85e35c9f820c934fa33/AXiS_BAA_final_forPosting_22NOV10.pdf](https://www.fbo.gov/download/a18/a185bb1531cde85e35c9f820c934fa33/AXiS_BAA_final_forPosting_22NOV10.pdf)

Contact: Tayo Akinwande, 703/526-4151, DARPA-BAA-11-11@darpa.mil

Solicitation number: DARPA-BAA-11-11

DARPA is soliciting innovative research proposals in the area of Advanced X-ray Integrated Sources (AXiS) that are compact, energy-tunable, spectrally narrow with small divergence. The AXIS program will develop x-ray source technology that will enable phase contrast imaging of low atomic number (low-Z) materials. Proposed research should investigate innovative approaches that enable revolutionary advances in science, engineering, x-ray source components, and integrated sources. The two technical areas of interest are: 1) Component Technologies and 2) Integrated Device.

**Direct Digital to High Power Analog Conversion Technology (PowerDAC)**

Defense Advanced Research Projects Agency (DARPA), Microsystems Technology Office

[http://www07.grants.gov/search/search.do;oppid=64693&mode=VIEW](http://www07.grants.gov/search/search.do;oppid=64693&mode=VIEW)

Contact: Daniel Purdy, 571-218-4646, Daniel.Purdy@darpa.mil

Solicitation number: BAA 11-12

These proposals should enable the combining of digital to analog conversion and high power amplification into a single component technology realizing revolutionary advantages. These advantages include dramatically advancing the state of art in the ability to simultaneously achieve high power, large bandwidth, high efficiency and high linearity at RF and microwave frequencies. Specifically excluded are research approaches that primarily result in evolutionary improvements.

**Information Processing Techniques Office BAA**

Defense Advanced Research Projects Agency (DARPA), Information Processing Technology Office (IPTO)


Contact: Daniel Kaufman, DARPA-BAA-10-08@darpa.mil

Solicitation number: DARPA-BAA-10-08

DARPA’s Information Processing Techniques Office allows continuous submission of proposals that do not address individual program requirements covered by other DARPA/IPTO solicitations. The mission of IPTO is to pioneer advanced information science, technology, and systems that have direct bearing on current and future national security needs. IPTO supports basic research, applied research and prototyping that spans the information lifecycle: sense, process, understand, and apply. Submission of abstracts is strongly encouraged in advance of full proposals.

**Microsystems Technology Office BAA**

Defense Advanced Research Projects Agency (DARPA), Microsystems Technology Office


Contact: Gregory Kovacs, DARPA-BAA-10-35@darpa.mil

Solicitation number: DARPA-BAA-10-35

MTO supports revolutionary research in electronics, photonics, MEMS, algorithms, and combined Microsystems technology to deliver new capabilities to sense, communicate, energize, actuate, and process data and information. Proposers are strongly encouraged to submit a proposal abstract in advance of a full proposal.

**Mathematics of Sensing, Exploitation and Execution (MSEE)**

Defense Advanced Research Projects Agency (DARPA), Defense Sciences Office


Contact: Tony Falcone, DARPA-BAA-11-28@darpa.mil

Solicitation number: DARPA-BAA-11-28

This announcement seeks proposals that formulate and develop new mathematical principles underpinning a unified approach to sensor data collection, analysis and follow-on action. Proposals may address only Focus Area One (Mathematical Formalism), or both Focus Areas One and Two (Solution Methods and Applications).
Defense Sciences Research and Technology

Defense Advanced Research Projects Agency (DARPA), Defense Sciences Office


Contact: Jon Mogford, DARPA-BA-10-55@darpamil

Solicitation number: DARPA-BA-10-55

This FOA solicits proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas. Proposers should demonstrate that their proposed effort is aimed at high-risk/high-payoff technologies that have the potential for making revolutionary rather than incremental improvements to national security, including emerging threats and operational challenges. The topic areas are: Physical Sciences; Material Sciences; Biology; Neuroscience; and Mathematics.

Explosionary Maneuver Warfare and Combating Terrorism

Office of Naval Research (ONR)

http://www.onr.navy.mil/~/media/Files/Funding-Announcements/BAA/2011/11-007.ashx

Contact: Laura Worcester, Laura.Worcester@navy.mil

Solicitation number: ONR BAA 11-007

ONR is interested in receiving white papers and proposals to foster new developments in Science and Technology which may ultimately lead to future operational capabilities beyond those represented by current acquisition programs and requirements. Innovative approaches with promise of revolutionary capability that address a subset will be considered. Emphasis on capabilities means that offerors should: propose development that will result in a warfighting capability that can be measured in quantitative terms and found to be "game changing"; address the transformational capability being required by the Department of Defense, particularly the development of a Naval Expeditionary S&T enterprise; leverage or complement other relevant developmental research areas; and be oriented toward rapid maturation, demonstration, and transition. Individual award amounts will range from $300K to $1M per fiscal year for up to 36 months.

Broad Agency Announcement for Extramural Research

U.S. Army Medical Research and Materiel Command

http://www07.grants.gov/search/search.do;oppId=58236&mode=VIEW

Contact: QA.BAA@amedd.army.mil

Solicitation number: W81XWH-BAA-11-1

Organizations are strongly encouraged to explore USAMRMC interest by submitting a preliminary research proposal (preproposal). Preproposals may be submitted at any time describing a specific idea or project that pertains to any of the research areas of interest outlined in the BAA. Full Proposals should be submitted within 90 days after being requested. The research areas of interest are: 1) Military Infectious Diseases Research Program; 2) Combat Casualty Care Research Program; 3) Military Operational Medicine Research Program; 4) Clinical and Rehabilitative Medicine Research Program; 5) Medical Biological Defense Research Program; 6) Medical Chemical Defense Research Program; 7) Telemedicine and Advanced Technology Program; and 8) Special Projects.

Science, Technology, Engineering and Mathematics for K-12

Office of Naval Research (ONR)

http://www.onr.navy.mil/~/media/Files/Funding-Announcements/BAA/10-023-STEM-BAA.ashx

Contact: Kam Ng, kam.ng1@navy.mil

Solicitation number: ONR FOA 10-023

ONR seeks proposals related to educational programs and outreach projects in science, technology, engineering and mathematics (STEM) in order to ensure an educated and well-prepared workforce, which meets the naval and national competitive needs. A main objective is to establish and ensure successful, sustainable, and affordable long-term Navy wide programs targeted at elementary and secondary schools and institutions of higher learning. ONR highly encourages partnering among industry and government. Individual awards will be funded up to $200K per year. The project period may range from 12 to 36 months.
ERDC Broad Agency Announcement
U.S. Army Engineer Research and Development Center (ERDC)
Contact: Mike Lee, 601/634-3903, Michael.G.Lee@usace.army.mil
Solicitation number:
The ERDC supports basic and applied research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, properties of frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. Those interested in submitting research proposals are encouraged to make preliminary inquiries to the points of contact listed for the specific research area.

Research Interests of the Air Force of Scientific Research
Air Force Office of Scientific Research (AFOSR)
http://www07.grants.gov/search/search.do?oppId=51659&mode=VIEW
Contact: Varies with research interest
Solicitation number: AFOSR-BAA-2010-1
AFOSR supports basic research in three scientific areas: Aerospace, Chemical and Material Sciences; Physics and Electronics; and Mathematics, Information and Life Sciences. AFOSR is seeking unclassified white papers and proposals for fundamental research. Awards average $150K per year and may be proposed for up to five years. Proposals may be submitted at any time, though it is recommended to contact the appropriate program manager prior to submission.

U.S. Army Engineer Research and Development Center BAA
U.S. Army Engineer Research and Development Center (ERDC)
https://acquisition.army.mil/asfi/upload/W912HZ11BAA02/W912HZ11BAA02.pdf
Contact: Varies with research interest
Solicitation number: W912HZ-11-BAA-02
The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/ chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. Those interested in submitting research proposals to ERDC are encouraged to make preliminary inquiries.

Department of Education
International Research and Studies (IRS) Program
Department of Education
Contact: Beth MacRae, 202/502–7596, beth.macrae@ed.gov
Solicitation number: CFDA 84.017A–1 and 84.017A–3
The IRS Program provides grants to eligible applicants to conduct research and studies to improve and strengthen instruction in modern foreign languages, area studies, and other international fields. Awards will range from $50K to $225K per year.
Unsolicited Applications
Department of Education, Institute of Education Sciences
Contact: 202/219-1385, Contact.IES@ed.gov
Solicitation number:
The Institute considers unsolicited applications for research, evaluation, statistics, and knowledge utilization projects that would make significant contributions to the mission of the Institute. The Institute’s mission is to conduct and support rigorous education statistics, research, and evaluation in order to provide reliable information about the condition of education, education practices that improve academic achievement, and the effectiveness of federal and other education programs, policies and practices. Typical awards will be in the range of $25K to $200K (total cost) per year for one to three years.

Department of Energy (DOE)

2/7/2011 Full Proposal
Integrated Process Improvements for Biochemical Conversion of Biomass Sugars
Department of Energy
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000337&agency=DOE
Contact: Catherine Ronning, 301/903-9549, Catherine.ronning@science.doe.gov
Solicitation number: DE-FOA-0000337
This program provides financial assistance addressing the development, improvement and demonstration of integrated bench and/or engineering-scale process technology for the production of substitutes for petroleum-based feedstocks, products and fuels, which will improve the economics and efficiency of a biochemical or hybrid conversion process.

2/25/2011 Application
Plant Feedstock Genomics for Bioenergy - A Joint Research Funding Opportunity Announcement USDA, DOE
Department of Energy
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000417&agency=DOE
Contact: Catherine Ronning, 301/903-9549, Catherine.ronning@science.doe.gov
Solicitation number: DE-FOA-0000417
Of interest are applications for genomics based research that will lead to the improved use of biomass and plant feedstocks for the production of fuels such as ethanol or renewable chemical feedstocks. Specifically, applications are sought for fundamental research on plants that will improve biomass characteristics, biomass yield, or sustainability. Systems biology approaches to identify genetic indicators enabling plants to be efficiently bred or manipulated, or research to predict phenotype from underlying genotype that could lead to improved feedstock characterization and sustainability are also encouraged. Annual budgets are expected to range from $200K to $500K total costs for up to three years.

3/3/2011 Application
Research and Development of Fuel Cells for Stationary and Transportation Applications
Department of Energy
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000360&agency=DOE
Contact:Varies with research interest
Solicitation number: DE-FOA-0000360
This program seeks to fund fuel cell research and development in the areas of fuel cell system balance-of-plant, fuel cell components, and innovative concepts that will reduce the cost, improve the durability, and increase the efficiency of fuel cell systems, thereby enabling a competitive domestic fuel cell industry. The minimum non-federal cost sharing requirement is 20% for all awards issued under this FOA. Up to 35 awards will be made.
SciDAC - Earth System Model Development
Department of Energy, Office of Science
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000452&agency=DOE
Contact: Dorothy Koch, 301/903-0105, dorothy.koch@science.doe.gov
Solicitation number: DE-FOA-0000452
The SciDAC program fosters integration of high performance computing and computational science throughout all mission areas within the Office of Science. This opportunity addresses collaborative research to enhance climate model resolution, physical representation of processes, validation, and quantification of uncertainty. High risk, high pay-off research ideas that explore innovative new directions to advance the understanding, simulation and prediction of climate change are encouraged. Applications should clearly describe how the proposed ideas have the potential to lead to breakthroughs in earth system modeling. Applications may generally request project support up to three years.

Research, Development and Training in Isotope Production
Department of Energy, Office of Science
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000448&agency=DOE
Contact: Dennis Phillips, 301/903-7866, dennis.phillips@science.doe.gov
Solicitation number: DE-FOA-0000448
This announcement solicits applications for research on alternative methods to produce and separate stable and radioactive isotopes needed for a wide variety of research and applications. The proposed research and development should provide new and innovative technologies, or improvements to existing technologies, to foster the enhanced production of isotopes that will benefit research and applications in medicine, homeland security, the physical sciences, biological and geological sciences, and industry. Applications proposing novel and effective ways to enhance education and training of personnel with expertise to improve and develop new methods in the production, processing, purification, and distribution of stable and radioactive isotopes are invited. The awards per year typically range from $500K to $1.5M for a minimum of two awards.

Continuation of Solicitation for the Office of Science Financial Assistance Program
Department of Energy
http://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000411&agency=DOE
Contact: Varies with research interest
Solicitation number: DE-FOA-0000411
The Office of Science hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, and Workforce Development for Teachers and Scientists.

Department of Homeland Security (DHS)

Cross-Discipline Research in Biometrics Science & Technology
Department of Homeland Security
http://www07.grants.gov/search/search.do;jsessionid=tnHXN1cZnc1yJpt21vSlnRX3Ghy5LbCpBhw2tSRTQ0qBUIFGBJ!15639247
Contact: Christopher Miles, 202/254-6642, Christopher.Miles@dhs.gov
Solicitation number: DHS-11-ST-108-001
This solicitation seeks to significantly improve the performance or application of biometrics by encouraging new cross-discipline research collaboration. Specifically, proposals are sought that will significantly advance the performance or application of biometrics through cross-discipline collaboration including, but not limited to, basic research into: the role of human identity in security; the acceptability and usability of biometrics in DHS' applications; the forensic proof of automated biometric systems; and the acquisition of useful biometric samples independent of the environment. Two to four awards, with a maximum amount of $500K each for one to two years, will be made.

Department of Housing and Urban Development (HUD)
2/21/2011 Application  
**Transformation Initiative - Natural Experiments Grant Program**  
Department of Housing and Urban Development  
http://www07.grants.gov/search/search.do;jsessionid=w67xNHHBvWG1vp6R052wtJqq0dzC2h3sGJGHNbgp6pnLXYvsYc1b!‐8451  
Contact: Michael Morse, 202/402-5901, Michael.T.Morse@hud.gov  
Solicitation number: FR-5415-N-22  
HUD invites investigators to submit proposals for funding to support scientific research that makes use of natural experiments to evaluate the impacts of local, state, and federal policies. HUD is particularly interested in funding evaluations that can help policymakers determine how to spend taxpayer dollars effectively and efficiently, though other types of projects will also be considered. An applicant can request $100K to $250K per award, depending on the scope of the proposed research. Awards under this NOFA will be made in the form of a Cooperative Agreement, meaning that HUD will have substantial involvement during the performance of the research project.

### Department of Justice (DOJ)

2/7/2011 Application  
**Sensor, Surveillance, and Biometric Technologies for Criminal Justice Applications**  
Department of Justice  
Contact: Frances Scott, 202/305-9950, Frances.Scott@usdoj.gov  
Solicitation number: NU-2011-2803  
NIJ seeks proposals to conduct research, technology development, and evaluation addressing the following four topics: Remote Detection of Concealed Handguns; Integrated Sensor Systems; Crime Scene Evidence Identification; and Biometric Technologies. Applicants should try to structure the phases so that the funding required in any fiscal year will not exceed $500K. The maximum project period ordinarily is three years.

2/7/2011 Application  
**Electronic Surveillance Technologies for Criminal Justice Application**  
Department of Justice  
http://ncjrs.gov/pdffiles1/nij/sl000958.pdf  
Contact: John Kaplan, 202/305-4503, John.Kaplan@usdoj.gov  
Solicitation number: NU-2011-2799  
Electronic surveillance is a vital crime-fighting tool. Advances in information and communications technology challenge the ability of criminal justice agencies to use this tool effectively. With this solicitation, NIJ seeks proposals for research, technology development, or evaluation projects to address these challenges. NIJ seeks proposals leading to the introduction into practice with law enforcement agencies of new or improved electronic surveillance capabilities to address the challenges posed by advances in telecommunications and information technologies. NIJ strongly encourages partnerships between researchers and practitioners during all phases of research projects, to ensure that the research addresses the needs of the practitioner. Preference will be given to applicants who can demonstrate an existing partnership with State or local criminal justice agencies. Applicants should try to structure the phases so that the funding required in any fiscal year will not exceed $500K. The maximum funding period ordinarily is three years.
Social Science Research on Forensic Science
Department of Justice, National Institute of Justice (NIJ)
Contact: Katharine Browning, 202/616-4786, Katharine.Browning@usdoj.gov
Solicitation number: NIJ-2011-2822
NIJ seeks proposals for social science research on forensic science. NIJ is interested in a wide range of research that will improve public safety and advance the administration of justice by helping to improve the use of forensic evidence in the criminal justice system and ensure the integrity of forensic processes. NIJ funding for an individual research project rarely exceeds $500K.

2/28/2011 Application
Evaluations of Girls Delinquency Programs
Department of Justice, Office of Juvenile Justice Delinquency Prevention
Contact: Barbara Kelley, 202/616-9517, barbara.kelley@usdoj.gov
Solicitation number: OJJDP-2011-2891
This solicitation is designed to fund grants to document and measure the effectiveness of delinquency prevention, intervention, and/or treatment programs in preventing and reducing girls’ risk behavior and offending. OJJDP intends to award multiple grants of between $200K and $400K for a project period of as long as three years.

3/1/2011 Application
Building and Enhancing Criminal Justice Researcher-Practitioner Partnerships
Department of Justice, National Institute of Justice (NIJ)
Contact: Katharine Browning, 202/616-4786, Katharine.Browning@usdoj.gov
Solicitation number: NIJ-2011-2819
Applications for funding are sought that support criminal justice researcher-practitioner partnerships. Applications should fall under one of the following areas: Junior Faculty Grant Program to Promote Criminal Justice Researcher-Practitioner Partnerships or Criminal Justice Researcher-Practitioner Fellowship Placement Program. NIJ funding for an individual research project rarely exceeds $500K, though total funding for projects requiring multiple years to complete has exceeded $1M in some cases. The total period for an award ordinarily will not exceed three years.

3/7/2011 Application
Field Initiated Research and Evaluation Program
Department of Justice, Office of Juvenile Justice Delinquency Prevention
Contact: Karen Bachar, 202/514-4403, karen.bachar@usdoj.gov
Solicitation number: OJJDP-2011-2897
The purpose of this program is to support methodologically rigorous research and evaluation studies that inform policy and practice consistent with the Department of Justice’s mission. With this solicitation, OJJDP encourages applicants to propose research and evaluation projects related to delinquency prevention; the reduction and control of juvenile delinquency and serious crime committed by juveniles; efforts to prevent recidivism through positive youth development; links between child neglect, victimization, and crime; and juvenile justice system response to issues such as sex crimes committed by juveniles, females in the juvenile justice system, and disproportionate minority contact at points along the juvenile justice system. Awards will be made for as much as $500K for as long as a 36-month award period.
3/8/2011    Application

Research on Best Practices for Mentoring
Department of Justice, ffice of Juvenile Justice Delinquency Prevention
Contact: Michael Shader, 202/616-2605, michael.shader@usdoj.gov
Solicitation number: OJDP-2011-2898
This program seeks to enhance what is understood about mentoring as a prevention strategy for youth who are at risk of involvement or already involved in the juvenile justice system. While mentoring appears to be a promising intervention for youth, more evaluation work is needed to further highlight the components of a mentoring program that are most effective. In addition, research is needed to demonstrate specifically the components of mentoring programs that have a significant impact in reducing juvenile delinquency and offending. This solicitation seeks to fund research studies that will inform the design and delivery of mentoring programs. OJDP will make awards of between $200K and $500K per award for a project period of 12 to 24 months.

3/17/2011    Full Proposal

Research and Evaluation in Crime Control and Prevention
Department of Justice, National Institute of Justice (NIJ)
http://ncjrs.gov/pdffiles1/nij/sl000963.pdf
Contact: Varies with research interest
Solicitation number: NIJ–2011–2826
This solicitation seeks proposals to examine topics relevant to State, local, and/or tribal criminal and juvenile justice policy and practice. Specific focus areas under this solicitation for FY 2011 include: research on police investigations; research on police integrity; the impact of technology on policing; research on policing strategies for smaller police agencies; and research on desistance from gangs and gang-related crime.

3/17/2011    Full Proposal

Research and Evaluation in Justice Systems
Department of Justice, National Institute of Justice (NIJ)
http://ncjrs.gov/pdffiles1/nij/sl000967.pdf
Contact: Varies with research interest
Solicitation number: NIJ–2011–2825
This solicitation seeks proposals to examine topics relevant to State and/or local criminal and juvenile justice systems policy and practice. Specific focus areas under this solicitation for Fiscal Year (FY) 2011 include: a multi-State study on the impact of incarceration on families of adults confined to penal institutions; a national study on State budget shortfalls and prison closings; and multi-State research on automated reporting systems and kiosk supervision.

3/22/2011    Application

W.E.B. Du Bois Fellowship Program
Department of Justice, National Institute of Justice (NIJ)
Contact: Marilyn Moses, 202/514–6205, Marilyn.Moses@usdoj.gov
Solicitation number: NIJ-2011-2823
This program provides talented researchers from all academic disciplines with an opportunity, early in their career, prior to the award of tenure, to elevate independently generated research and ideas to the level of national discussion. Due to the nature of this Fellowship, NIJ strongly encourages applicants with diverse racial and ethnic backgrounds. Residency at NIJ is not a fellowship program requirement. The Fellowship places particular emphasis on crime, violence, and the administration of justice in diverse cultural contexts within the US. NIJ anticipates that one award of up to $100K may be made through this solicitation. The maximum award period is typically one year.
**Research on Violence and Victimization Across the Life-Span**
Department of Justice, National Institute of Justice (NIJ)
http://ncjrs.gov/pdffiles1/nij/sl000969.pdf
Contact: Christine Crossland, 202/616–5166, Christine.Crossland@usdoj.gov
Solicitation number: NIJ-2011-2824
With this solicitation, NIJ seeks research and evaluation proposals to address basic research on violence and victimization in the following areas: 1) Basic research on the causes and correlates of violence and victimization across the life-span; 2) Special topics in violence and victimization; and 3) Elder Mistreatment. NIJ funding for an individual research project rarely exceeds $500K, and the typical maximum project period is three years.

**Basic Scientific Research to Support Forensic Science for Criminal Justice Purposes**
Department of Justice, National Institute of Justice (NIJ)
Contact: forensic.research@ojp.usdoj.gov
Solicitation number: NIJ-2011-2086
NIJ seeks to fund basic scientific research in the physical, life, and cognitive sciences that is designed to increase the knowledge underlying forensic science disciplines intended for use in the criminal justice system. Basic scientific research proposals to this solicitation should be designed to lead to: 1) Subsequent applied research and advanced technology developments in forensic science-related technologies intended for use in the criminal justice system, and/or 2) New and improved crime laboratory functional capabilities that result in faster, more robust, more informative, less costly, or less labor-intensive identification, collection, preservation, and/or analysis of evidence. Applicants should try to structure the phases so that the funding required in any fiscal year will not exceed $500K. The project period ordinarily will not exceed three years.

**NIJ Visiting Fellows Program**
Department of Justice, National Institute of Justice (NIJ)
Contact: Thomas Feucht, 202/307–2949, Thomas.Feucht@usdoj.gov
Solicitation number: NIJ-2011-2829
NIJ seeks proposals for important research work and scholarship. NIJ will recruit Research Fellows, who have worked mainly in academic or other research settings, and Policy Fellows, who have worked mainly in a criminal justice policy or practice setting. NIJ will also recruit Partnership Fellows—a Research Fellow and a Policy Fellow who will work together on a joint research project. During their Fellowship at NIJ, Visiting Fellows will work on a significant piece of scholarship that has the potential to significantly advance criminology or criminal justice research. Applicants in all areas of criminal justice scholarship pertinent to NIJ's broad research mission—including the social sciences, forensic sciences, and criminal justice technology—are eligible for funding under these programs. Fellowships ordinarily will not exceed a total period of two years.
Community Action for a Renewed Environment (CARE) Program - Limited Submission

Environmental Protection Agency


Contact: Dennis O’Connor, 202/343-9213, oconnor.dennis@epa.gov

Solicitation number: EPA-OAR-IO-11-08

CARE is a unique community-based, community-driven, multimedia demonstration program designed to help communities understand and reduce risks due to toxic pollutants and environmental concerns from all sources. The program will provide funding, information, training, technical support, and help to build collaborative local partnerships, improved access to EPA programs, and address community environmental concerns. EPA will award CARE agreements at two levels: Level I will support the following types of activities: working with the recipient to form community-based collaborative partnerships; identifying and developing an understanding of the many local sources of risk from toxic pollutants and environmental concerns; and setting priorities for the reduction of the identified risks and concerns of the community. Level II agreements are for recipients that have already received a Level I agreement. EPA anticipates awarding one to three Level I cooperative agreements with an average project funding of about $90K. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.

Developing the Next Generation of Air Quality Measurement Technology

Environmental Protection Agency


Contact: Sherri Hunt, 202/343-9644, hunt.sherri@epa.gov

Solicitation number: CFDA 66.509

EPA is seeking applications proposing to develop and demonstrate air quality measurement technology. EPA is interested in projects that will improve air pollution measurement technologies to address emerging air pollution issues and improve the spatial and temporal coverage of air pollution measurement data. In addition to regular awards, this solicitation includes the opportunity for early career projects, which fund research projects smaller in scope and budget by early career PIs. Approximately five regular awards and two early career awards will be made. The maximum award amount is $500K total for regular awards and $250K total for early career awards, including direct and indirect costs, with a maximum duration of three years.

Extreme Event Impacts on Air Quality and Water Quality with a Changing Global Climate

Environmental Protection Agency


Contact: Bryan Bloomer, 703/347-8040, bloomer.bryan@epa.gov

Solicitation number: EPA-G2011-STAR-D1

EPA is seeking applications proposing the development of assessments, tools and techniques, and demonstration of innovative technologies for providing information and capacity to adequately prepare for climate-induced changes in extreme events in the context of air and water quality management. A goal of this RFA is to seek a better understanding of the hazards (the extreme events) and to establish ways for climate scientists, impact assessment modelers, air and water quality managers, and other stakeholders to co-produce information necessary to form sound policy in relation to extreme events and their impact on air and water quality under a changing climate. This solicitation also includes the opportunity for early career projects, their purpose being to fund research projects smaller in scope and budget by early career PIs. Approximately six regular awards amounting up to a total of $750K each, and four early career awards amounting up to $375K each, will be made. The maximum award duration is three years.
The EPA is seeking applications proposing research to lay the scientific foundation for improving the air quality management system. Applications may address increasing the rate at which new information is incorporated into regional and local air quality management or improving management of short-term air pollution episodes. In addition to regular awards, this solicitation includes the opportunity for early career projects for untenured faculty. Up to a total of $500K for regular awards and $250K for early career awards for three years will be awarded.

Institute of Museum and Library Services (IMLS)

2/7/2011  Campus Notice of Intent
3/15/2011  Agency Application Deadline

21st Century Museum Professionals Program - Limited Submission

Institute of Museum and Library Services
http://www.imls.gov/applicants/grants/21centuryMuseums.shtm
Contact:  Mark Isaksen, 202/653-4667, misaksen@imls.gov
Solicitation number:  CFDA 45.307

The purpose of the 21st Century Museum Professionals Grants program is to increase the capacity of museums by improving the knowledge and skills of museum professionals in multiple institutions. These grants are intended to reach broad groups of museum professionals throughout a city, county, state, region, or the nation. Grants fund a wide range of activities. Awards range from $15K to $500K. A 1:1 cost share is required. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.

Institute of Peace

12/31/2011  Ongoing

Priority Grant Competition

Institute of Peace
http://www.usip.org/grants-fellowships/priority-grant-competition
Contact:  Varies with research interest
Solicitation number:

This competition supports nonprofit organizations working in or on Afghanistan, Colombia, Iran, Iraq, Nigeria, Pakistan, and Sudan. The competition supports innovative peacebuilding projects involving research, the identification of promising models and effective practices, the development of practitioner resources and tools, the development and delivery of education, training and dialogue programs, and the production of films, radio programs and other media. Institute gives priority to high-quality projects that are likely to generate findings that are accessible to policymakers and practitioners and that demonstrate promise of having a substantial impact.

National Aeronautics and Space Administration (NASA)
3/15/2011 Renewal Proposal

NASA Earth and Space Science Fellowship (NESSF) Program

National Aeronautics and Space Administration


Contact: Ming-Ying Wei, 202/358-0771, mwei@nasa.gov

 Solicitation number: NESSF11

This call for graduate fellowship proposals solicits applications from accredited U.S. Universities on behalf of individuals pursuing Masters or Doctoral (Ph.D.) degrees in Earth and space sciences, or related disciplines, at respective institutions. The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA’s scientific goals outlined above. Awards resulting from the competitive selection will be made in the form of training grants to the respective universities with the advisor serving as the principal investigator. All applications to NESSF must address the goals and objectives of one or more of the following four SMD research programs: 1) Earth Science Research Program; 2) Heliophysics Research Program; 3) Planetary Science Research Program; and 4) Astrophysics Research Program. The maximum amount of a NESSF award is $30K per year for up to three years.

3/18/2011 Full Proposal

Solar and Heliospheric Science

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=220785/B.4%20SHP%20Amend%202012%20V2.pdf

Contact: hq-shp-ps@nasa.gov

Solicitation number: NNH10ZDA001N-SHP

The Solar and Heliospheric Physics (SHP) program has as its objective the comprehensive study of all five solar and heliospheric research areas, namely: Solar interior; Solar photosphere; Solar chromospheres, transition region, and corona; Inner heliosphere; and Outer heliosphere and the interstellar boundary. This program has three main research thrusts, non-flight Supporting Research, Instrument and Technology Development (ITD) that may be carried out in the laboratory and/or observatory, and payloads on balloons, sounding rockets, or as secondary, rocket-class payloads on flights of opportunity.

3/25/2011 Proposal

Strategic Astrophysics Technology (SAT)

National Aeronautics and Space Administration


Contact: Varies with research interest

Solicitation number: NNH10ZDA001N-SAT

Investigations are solicited for the focused development of technologies that feed into and enable missions in the three science program areas of the Astrophysics Division: Exoplanet Exploration -- 3 to 10 awards for $2.6M per year each; Physics of the Cosmos -- 1 to 2 awards for $3M per year each; and Cosmic Origins -- 1 to 6 awards for $2.4M per year each. The period of performance may not exceed two years. The SAT program is not intended to support “basic” research into new technologies and demonstration of their feasibility, but to emphasize the maturation of key technologies that have already been identified and shown to be feasible. Where appropriate, participation of graduate students is encouraged, especially if the project can be concluded within the nominal tenure of graduate training.

3/25/2011 Proposal

Astrophysics Research and Analysis

National Aeronautics and Space Administration


Contact: Linda Sparke, 202/358-7335, HQ-APRA@mail.nasa.gov

Solicitation number: NNH10ZDA001N-APRA

This program solicits basic research proposals for investigations that are relevant to NASA’s programs in astronomy and astrophysics and includes research over the entire range of photons, gravitational waves, and particles of cosmic origin. Awards may be for up to four years’ duration (up to five years for suborbital investigations), but shorter-term proposals are typical. Proposals are solicited in the following five broad categories: Detector Development; Suborbital Investigations; Supporting Technology; Laboratory Astrophysics; and Ground-Based Observations.

National Archives and Records Administration (NARA)
Electronic Records Projects

National Archives and Records Administration


Contact: Nancy Melley, 202/357-5452, nancy.melley@nara.gov

Solicitation number: ELECTRONIC-201106

NARA seeks proposals that will increase the capacity of archival repositories to create electronic records archives that preserve records of enduring historical value. The NHPRC supports efforts by archivists and records managers to meet the challenges of electronic records. Projects must involve institutions that have already established archives and records management programs. Start-up projects develop the capacity of institutions to prepare to capture and preserve electronic records, through program planning. Collaborative projects establish and/or improve electronic records archives by engaging in effective and innovative collaborations. A grant normally is for one to three years and up to $300K.

Publishing Historical Records

National Archives and Records Administration

http://www.archives.gov/nhprc/announcement/publishing.html

Contact: Timothy Connelly, 202/357-5301, timothy.connelly@nara.gov

Solicitation number: PUBLISHING-201106

The National Historical Publications and Records Commission seeks proposals to publish historical records of national significance. Projects may focus on the papers of major figures from American life or cover broad historical movements in politics, military, business, social reform, the arts, and other aspects of the national experience. Grants are awarded for collecting, describing, preserving, compiling, editing, and publishing documentary source materials. Award amounts ordinarily range from $20K to $250K annually for up to three years. Funding for this award cycle is for projects preparing publications whose documents fall predominantly prior to 1820 (Colonial and Early National Period).

Digitizing Historical Records

National Archives and Records Administration


Contact: Nancy Melley, 202/357-5452, nancy.melley@nara.gov

Solicitation number: DIGITIZING-201106

NARA seeks proposals that use cost-effective methods to digitize nationally significant historical record collections and make the digital versions freely available online. Projects must make use of existing holdings of historical repositories and consist of entire collections or series. The materials should already be available to the public at the archives and described so that projects can reuse existing information to serve as metadata for the digitized collection. A grant normally is for one to three years and up to $150K. Cost sharing is required.
Grants for Arts - Limited Submission
National Endowment for the Arts
http://nea.gov/grants/apply/index.html
Contact: Varies with research interest
Solicitation number: CFDA No. 45.024
Grants for Arts supports projects in two categories:

Art Works projects support the creation of art that meets the highest standards of excellence, public engagement with diverse and excellent art, lifelong learning in the arts, and the strengthening of communities through the arts. An organization may request a grant amount from $10K to $100K. Applications will be accepted under two deadlines. Apply under the deadline with the outcome (creation, engagement, learning, or livability) that most closely corresponds to the primary focus of the proposed project.

Challenge America Fast-Track grants of $10K support projects that extend the reach of the arts to underserved populations. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.

Our Town
National Endowment for the Arts
http://nea.gov/grants/apply/OurTown/index.html
Contact: 202/682-5091, OT@arts.gov
Solicitation number: 2011NEAOT
NEA will provide a limited number of grants, ranging from $25K to $250K, for creative placemaking projects that contribute toward the livability of communities and help transform them into lively, beautiful, and sustainable places with the arts at their core. Projects may include planning, design, and arts engagement activities. Projects must involve at least two organizations: one a nonprofit design or cultural organization, and one a government entity. Additional partners are encouraged. All grants require a nonfederal match of at least 1 to 1.

Our Town
National Endowment for the Arts
http://nea.gov/grants/apply/index.html
Contact: 202/682-5091, OT@arts.gov
Solicitation number: 2011NEAOT

Literature Fellowships
National Endowment for the Arts
http://www.arts.gov/grants/apply/Lit/GrantProgDescription.html
Contact: 202/682-5400, webmgr@arts.endow.gov
Solicitation number: 2011NEA03LFCW
This program offers $25K grants in prose (fiction and creative nonfiction) and poetry to published creative writers that enable the recipients to set aside time for writing, research, travel, and general career advancement. For the year 2012, only fellowships in prose are available. News reporting and scholarly writing will not be funded.

National Endowment for the Humanities (NEH)
These NEH grants support national or regional (multistate) training programs for scholars and advanced graduate students to broaden and extend their knowledge of digital humanities. Through these programs, NEH seeks to increase the number of humanities scholars using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. The projects may be a single opportunity or offered multiple times to different audiences. Institutes may be as short as a few days and held at multiple locations or as long as six weeks at a single site. The duration of a program should allow for full and thorough treatment of the topic. NEH strongly encourages applicants to develop proposals for multidisciplinary teams of collaborators that will offer the necessary range of intellectual, technical, and practical expertise. Awards normally range from one to three years and from $50K to a maximum of $250K in outright funds.

This program is designed to encourage innovations in the digital humanities. Proposals should be for the planning or initial stages of digital initiatives in any area of the humanities. All applicants must propose an innovative approach, method, tool, or idea that has not been used before in the humanities. These grants should result in plans, prototypes, or proofs of concept for long-term digital humanities projects prior to implementation. Two levels of awards will be made: Level I—small grants ranging from $5K to $25K designed to fund brainstorming sessions, workshops, early alpha-level prototypes, and initial planning, and Level II—larger grants ranging from $25K to $50K that can be used for more fully-formed projects that are ready to begin implementation or demonstrate proofs of concept. Digital Humanities Start-Up Grants support full-time or part-time activities for periods up to 18 months.

These grants support faculty development programs in the humanities for school teachers and for college and university teachers. NEH Summer Seminars and Institutes may be as short as two weeks or as long as five weeks. The duration of a program should allow for a rigorous treatment of its topic. The program formats are: Seminar for school teachers—16 participants; Institute for school teachers—25 to 30 participants; Seminar for college and university teachers—16 participants; and Institute for college and university teachers—25 participants. NEH anticipates that awards for seminars will range between $60K and $140K for a grant period of 12 months. Awards for institutes range from $80K to $200K for a grant period of 15 months.
**Intellectual and Developmental Disabilities Research Centers 2011 (P30) - Limited Submission**

National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)


Contact: Melissa Parisi, 301/435-6880, parisima@mail.nih.gov

Solicitation number:  RFA-HD-10-022

NICHD invites applications for Center Core Grants designed to advance the diagnosis, prevention, treatment, and amelioration of intellectual and developmental disabilities (IDD). The grants fund core resources to support interdisciplinary research and research training. Applications for P30 IDDRC grants must propose a program consisting of cores to be accessed by grants that propose research addressing at least five topics relevant to the research mission of IDD. The program should consist of at least 10 externally funded research projects that are (1) relevant to the mission of NICHD's IDD Center programs; (2) of a quality acceptable to NICHD; and (3) funded when the P30 award begins. A new application may request up to $750K in direct costs. This is a limited submission opportunity. Please see [http://www.research.ucsb.edu/funding/LimitedSubmission.aspx](http://www.research.ucsb.edu/funding/LimitedSubmission.aspx) for campus procedures.

---

**Population-based Research Optimizing Screening through Personalized Regimens (PROSPR) (U54)**

National Institutes of Health, National Cancer Institute (NCI)


Contact: Stephen Taplin, 301/402-1483, TaplinS@mail.nih.gov

Solicitation number:  RFA-CA-11-003

This FOA is part of a new program on population-based research to optimize screening through personalized regimens (PROSPR). PROSPR’s overall purpose is to promote coordinated, multidisciplinary research to evaluate and improve the cancer screening process. Specifically, this FOA is designed to promote coordinated, multidisciplinary research regarding the screening processes for breast, colon, or cervical cancer by supporting PROSPR Research Centers. Each proposed center must have a research program that includes a plan to collect data on individual patients during their usual course of care through the screening process. Research Center applicants are expected to build a thematically driven multidisciplinary research team with relevant expertise. The team must have appropriate collaborations with a network of screening and diagnostic services providers to serve as the source of data and clinical insight. Investigators at the PROSPR Research Centers will be expected to collaborate with each other, the NCI and the single Statistical Coordination Center. This FOA is accompanied by a separate U01 FOA (RFA-CA-11-004) which solicits applications for Statistical Coordination Center. It is expected that budget requests for most applications will be between $750K and $1.5M per year (total costs).

---

**Ethical, Legal, and Social Implications of Returning Research Results to Genomic Research Participants (R21)**

National Institutes of Health, National Human Genome Research Institute (NHGRI)


Contact: Jean McEwen, 301/402-4997, mcewenj@mail.nih.gov

Solicitation number:  RFA-HG-11-004

The purpose of this FOA is to stimulate analytical research on the normative and legal issues involved in deciding whether, when, and how to offer to return individual research results to participants in genomic research studies or to individuals who have provided samples or data for genomic repositories. This FOA is aimed primarily at sole investigators or small teams of investigators who propose modest legal and normative research projects.
Development of a Preliminary Evidence Base to Inform Decision-making about Returning Research Results

National Institutes of Health, National Human Genome Research Institute (NHGRI)
Contact: Jean McEwen, 301/402-4997, mcewenj@mail.nih.gov
Solicitation number: RFA-HG-11-003

The purpose of this FOA is to stimulate empirical research to develop a preliminary evidence base to inform decision-making about whether, when, and how to offer to return individual research results to participants in genomic research studies or to individuals who have provided samples or data for genomic repositories. This FOA is aimed primarily at investigators who propose behavioral or social science research projects in which there is likely to be direct interaction with research participants or other stakeholders involved in current, ongoing genomics projects or in genomic sample or data repositories.

Lung Repair and Regeneration Consortium Administrative Coordinating Center (U01)

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Carol Blaisdell, 301/435-0222, nhlbichiefreviewbranch@nhlbi.nih.gov
Solicitation number: RFA-HL-12-010

This FOA invites applications to participate as the Administrative Coordinating Center (ACC) for the Lung Repair and Regeneration Consortium (LRRC) (RFA-HL-12-006). The goal of the Consortium is to foster research by highly integrated multidisciplinary scientific teams to address an important knowledge gap in fundamental mechanisms underlying lung repair and regeneration and to translate this knowledge to new regenerative medicine strategies for reversing debilitating and life-limiting pulmonary disorders. The program is expected to support development of novel tools (e.g., reagents, models, imaging, and/or data analysis tools) which will accelerate research progress in lung repair/regeneration. The Consortium will assemble multiple independent research projects, each with a multi-disciplinary team of Principal Investigators, to develop new reagents, models and/or tools to advance research focused on lung repair and regeneration, and will develop a skills development Core for trainees. NHLBI/DLD intends to commit $6.3M over five years for one award.

Consortium of Lung Repair and Regeneration - Building the Foundation (U01)

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Carol Blaisdell, 301/435-0222, blaisdellcj@nhlbi.nih.gov
Solicitation number: RFA-HL-12-006

This FOA invites applicants to participate in the Lung Repair and Regeneration Consortium (LRRC). The purpose of this FOA is to attract new expertise into multidisciplinary teams to investigate novel hypotheses relevant to lung repair/regeneration and to develop a highly interactive and synergistic Consortium of investigators who will share ideas, data, and resources to move the field of lung regeneration forward toward development of new therapies for human diseases. This FOA solicits Research Project Cooperative Agreement (U01) applications from institutions/organizations that propose (1) to apply novel technologies to test innovative hypotheses of mechanisms that control adaptive and maladaptive lung repair/regeneration after injury and include studies to validate these mechanisms are relevant in humans; and (2) to develop two or more novel tools (e.g., reagents, models, imaging, and/or data analysis tools) that would accelerate research progress in lung regeneration. Applicants are strongly encouraged to use the multiple Principal Investigator mechanism to organize multidisciplinary teams that must include new collaborations and expertise in two or more of the following disciplines: developmental biology, stem cell biology, pulmonary medicine, lung injury, physiology, genomics, tissue or bioengineering, nanotechnology, and integrative, systems approaches. The award project period is five years. This FOA runs in parallel with RFA-HL-12-010.
**Centers Without Walls for Collaborative Research in the Epilepsies - Genetics and Genomics of Human Epilepsies**

National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS)

http://grants.nih.gov/grants/guide/rafdrafas.html

Contact: Randall Stewart, 301/496-1917, stewart@ninds.nih.gov

Solicitation number: RFA-NS-11-007

The purpose of this FOA is to encourage linked cooperative agreement (U01) applications from large, multidisciplinary groups of investigators to accelerate the rate of progress in identifying the genetic factors that contribute to epilepsy syndromes. Linked applications may include an administrative core, a genetics core, and specific scientific projects proposed for the initial performance period of the Center without Walls. Applicants should note that support for the entire Center without Walls (made up of linked U01 awards) will not exceed $3M direct costs per year. The maximum project period for administrative or genetic cores is five years. The maximum period for specific scientific projects is three years.

**Pre-Application for the 2011 NIDA Avant-Garde Award Program for HIV and AIDS Research (X02)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Jacques Normand, 301/443-1470, jnormand@nida.nih.gov

Solicitation number: PAR-10-068

This Program is meant to complement NIDA’s traditional grant programs by supporting scientists of exceptional creativity who propose high-impact research that will open new avenues for prevention and treatment of HIV/AIDS among drug abusers. The research proposed must be in an area described in the Trans – NIH Plan for HIV-Related Research. Awards will be for $500K in direct costs each year for five years. NIDA expects to fund two to three awards.

**Type 1 Diabetes Impact Award (DP3)**

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Kristin Abraham, 301/451-8048, ka136s@mail.nih.gov

Solicitation number: RFA-DK-10-012

This FOA encourages applications proposing groundbreaking original research addressing fundamental questions or major obstacles in Type 1 Diabetes Research, including studies that challenge current dogma. Projects must clearly address a compelling unanswered question in Type 1 Diabetes research. Maximum direct costs are $5M to be used over a project period of up to five years.

**Genomic Resource Grants for Community Resource Projects (U41)**

National Institutes of Health, National Human Genome Research Institute (NHGRI)


Contact: Varies with research interest

Solicitation number: PAR-11-095

This FOA encourages applications for the development and support of genomic resources that will be available to and valuable for the broad research community. Such resources include (but are not limited to) informatics resources such as model organism databases and ontologies, comprehensive collections of genomic features (such as structural variants), and collections of physical resources (such as samples and cDNA clone banks). The maximum project period is five years.
**Secondary Analyses of Social and Behavioral Datasets in Aging (R03)**

National Institutes of Health, National Institute on Aging (NIA)


Contact: Partha Bhattacharyya, 301/496-3131, bhattacharyyap@mail.nih.gov

Solicitation number: PA-10-139

This FOA is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grants; provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and provide support for pilot research on under-utilized databases. Budgets may be requested for a maximum of $100K direct costs over a two-year time period.

---

**Small Grants on Primary Immunodeficiency Diseases (R03)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-10-147

The purpose of this FOA is to support small grants in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases. This FOA runs in parallel with a FOA of identical scientific scope, PAS-10-148, that encourages applications under the R21 mechanism. Budgets of up to $50K direct costs per year for up to two years may be requested.

---

**Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)**

National Institutes of Health, National Cancer Institute (NCI)


Contact: Young Kim, 301/496-0126, yk47s@nih.gov

Solicitation number: PA-10-088

This FOA encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. Direct costs are limited to $275K over a two-year period.

---

**New Molecular Entities to Treat Substance Use Disorders (R01)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Ming Shih, 301/443-8422, mshih@mail.nih.gov

Solicitation number: RFA-DA-12-001

NIDA is soliciting grant applications for preclinical research projects that can be conducted with accelerated pace from the drug discovery stage to the early development stage, with the ultimate goal of identifying new molecular entities (NME) as candidate compounds and moving them closer to gaining FDA approval of safe and efficacious medications for the treatment of substance use disorders (SUDs). Budgets for direct costs of up to $500K per year for up to three years may be requested.
Innovative Bioavailability Assays to Assess the Effectiveness of Contaminated Sediment Remediation (R01)
National Institutes of Health, National Institute of Environmental Health Sciences (NIEHS)
Contact: Heather Henry, 919/541-5330, henryh@niehs.nih.gov
Solicitation number: RFA-ES-11-005
This FOA invites qualified investigators to submit an application for a Superfund Research Program (SRP) Individual Research Project Grant. This FOA encourages the research community to develop innovative bioavailability assays to determine the effectiveness of contaminated sediment remediation. Applicants may request a budget for direct costs up to $200K per year for a maximum period of three years.

NIAID Science Education Awards (R25)
National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)
Contact: Diane Adger-Johnson, 301/402-8969, da15a@nih.gov
Solicitation number: PAR-11-086
This FOA encourages applications that focus on the development of science education for K-12 students. It is expected that these education programs will provide outreach to a large audience of students at a national level, directly or through their teachers, using approaches where successes can be measured. Although the size of award may vary with the scope of the research education program application, the total direct costs are limited to $175K annually. The maximum project period is five years.

Medical Marijuana Policy Research - Exploring Trends and Impacts (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Bethany Deeds, 301/402-1935, deedsb@mail.nih.gov
Solicitation number: RFA-DA-11-008
This FOA will support research on medical marijuana-related “quasi-natural experiments” in the US. It solicits Research Project Grant (R01) applications to assess social, behavioral, and public health impacts of medical marijuana use and policies. Secondary data applications which utilize national or state level longitudinal or panel data are highly encouraged. Applications may request budgets with direct costs up to $500K per year and time periods up to five years in duration.

Shared Instrumentation Grant Program (S10) - Limited Submission
National Institutes of Health, National Center for Research Resources (NCRR)
Contact: Marjorie Tingle, 301/435-0772, SIG@mail.nih.gov
Solicitation number: PAR-11-081
The NCRR Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least $100K. The maximum award is $600K. Types of instruments supported include confocal and electron microscopes, biomedical imagers, mass spectrometers, DNA sequencers, biosensors, cell-sorters, X-ray diffraction systems, and NMR spectrometers among others. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.
Advanced Technologies for Detection of Perturbation Induced Cellular Signatures (U01)

National Institutes of Health, Cross-Institute


Contact: Jennifer Couch, 301/435-5226, couchj@mail.nih.gov

Solicitation number: RFA-RM-10-004

This FOA encourages grant applications that propose to develop or substantially adapt technologies and methodologies designed to significantly improve the functionality, quality, scope, and/or throughput of perturbation-induced cellular signature data generation. The technologies generated through this FOA are anticipated to accelerate the rate of data generation and the range of signatures that can be identified and characterized by large scale high-throughput perturbation-induced signature collection efforts like The Library of Integrated Network-Based Cellular Signatures (LINCS). Budgets up to $500K direct costs per year and time periods up to two years may be requested.

NLM Grants for Scholarly Works in Biomedicine and Health (G13)

National Institutes of Health, National Library of Medicine (NLM)


Contact: Alan VanBiervliet, 301/594-4882, alan.vanbiervliet@nih.gov

Solicitation number: PAR-11-084

NLM Grants for Scholarly Works in Biomedicine and Health are awarded for the preparation of book-length manuscripts and other scholarly works of value to U.S. health professionals, public health officials, biomedical researchers and historians of the health sciences. An award is up to $50K per year in direct costs, for projects lasting one, two, or three years.

Advanced in Vivo Imaging to Understand Cancer Systems (R01)

National Institutes of Health, National Cancer Institute (NCI)


Contact: Anne Menkens, 301/496-9531, am187k@nih.gov

Solicitation number: RFA-CA-11-005

The purpose of this FOA is to promote and support new collaborative projects that focus on the integration of advanced in vivo imaging technologies with systems biology approaches to understand complex cancer phenomena at highest resolution. It is expected that applications proposed in response to this FOA will be based on collaborative interactions among scientists specializing in in vivo cancer imaging, cancer complexity research, and others relevant fields of cancer research. Four to six awards will be made. The maximum project period is five years.

Integrative Neuroscience Initiative on Alcoholism (INIA) Consortia (U01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Antonio Noronha, 301/443-7722, anoronha@mail.nih.gov

Solicitation number: RFA-AA-11-006

The purpose of this FOA is to provide renewed support for two previously funded consortia under the Integrative Neuroscience Initiative on Alcoholism (INIA) by supporting the most scientifically meritorious projects. New research project proposals from investigators not previously affiliated with INIA can also respond to this FOA. Wherever possible the projects should take advantage of the infrastructure that was established in the previous funding periods of the INIAs. Please see the companion FOA (RFA-AA-11-007) regarding submission of proposals for resource-related and support cores.
Integrative Neuroscience Initiative on Alcoholism (INIA) Consortia Resource and Support Cores (U24)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Antonio Noronha, 301/443-7722, anoronha@mail.nih.gov

Solicitation number: RFA-AA-11-007

The purpose of this FOA is to provide renewed support for two previously funded consortia under the Integrative Neuroscience Initiative on Alcoholism (INIA) by supporting the most scientifically meritorious resource-related and support cores. New core project proposals from investigators not previously affiliated with INIA can also respond to this FOA. Wherever possible the proposals should take advantage of the infrastructure that was established in the previous funding periods of the INIAs. No more than $5.1M per year in direct costs may be requested in FY2011 for the first consortium (i.e., cluster of research component projects plus resource-related and administrative cores). The maximum project period is five years. This FOA runs in parallel with RFA-AA-11-006, which solicits applications under the U01 Research Project – Cooperative Agreements mechanism.

Research Infrastructure for Demographic and Behavioral Population Science (R24) - Limited Submission

National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)


Contact:

Solicitation number: RFA-HD-10-020

This FOA solicits grant applications to provide research infrastructure support that will enhance the research capabilities of established population science centers doing research in areas within the mission of the NICHD Demographic and Behavioral Sciences Branch. This FOA allows for three types of research infrastructure support: (1) Research Support Cores; (2) Developmental Infrastructure Cores; and (3) Public Infrastructure Cores through three types of applications: (1) General Research Infrastructure applications, for population science research centers with accomplishments, capabilities, and plans in diverse areas of population science —three or more signature research themes; (2) Specialized Research Infrastructure applications, for population science research centers with accomplishments, capabilities, and plans in only a few areas of population science—one or two signature research themes; or (3) Public Infrastructure Only applications, for population science centers that request funding only for Public Infrastructure Core(s). The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Exploring Human Induced Pluripotent Stem Cells for Substance Abuse Research (R21)

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Da-Yu Wu, 301/435-4649, wudy@nida.nih.gov

Solicitation number: RFA-DA-11-012

This FOA solicits applications to develop and standardize methods to generate cell types, e.g. neuronal and glial cells relevant to substance abuse, from human IPS cells. Direct costs are limited to $275K over an R21 two-year period, with no more than $200K in direct costs allowed in any single year. Five to eight awards will be made.
Reducing Health Disparities Among Minority and Underserved Children (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-11-104
This FOA solicits applications that propose to conduct research to reduce health disparities among minority and underserved children. Specifically, this initiative focuses on ethnic and racial minority children and underserved populations of children. Specific targeted areas of research include biobehavioral studies that incorporate multiple factors that influence child health disparities such as biological, lifestyle factors, environmental, social, economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known illness and/or disability; and studies that test and evaluate the comparative effectiveness of health promotion interventions conducted in traditional and nontraditional settings. The maximum project period is five years. The companion FOA is PA-11-105, which solicits applications under the R21 mechanism.

Exploratory Grant Program in Sudden Unexpected Death in Epilepsy (SUDEP) (P20)
National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS)
Contact: Brandy Fureman, 301/496-1917, furemanb@mail.nih.gov
Solicitation number: RFA-NS-11-006
This FOA solicits applications proposing exploratory collaborative research on sudden unexpected death in epilepsy (SUDEP). Successful exploratory studies may lead to future applications for support of a collaborative, multidisciplinary SUDEP Center without Walls. Support may be requested for up to $300K in direct costs per year for up to three years.

Mendelian Disorders Genome Centers (U54) - Limited Submission
National Institutes of Health, National Human Genome Research Institute (NHGRI)
Contact: Lu Wang, 301/594-7303, wanglu@mail.nih.gov
Solicitation number: RFA-HG-10-016
This FOA seeks to establish a center or centers that will use genome-wide sequencing and other genomic approaches to discover the genetic variants underlying Mendelian disorders and other health-related Mendelian phenotypes in human. Individual application budgets should not exceed $10M total costs per year for up to four years. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Genome Sequencing and Analysis Centers (U54) - Limited Submission
National Institutes of Health, National Human Genome Research Institute (NHGRI)
Contact: Adam Felsenfeld, 301/496-7531, adam_felsenfeld@nih.gov
Solicitation number: RFA-HG-10-015
This solicitation seeks applications for support of genomic sequencing and analysis centers, which will constitute the renewal of the NHGRI large-scale sequencing program. Centers will operate at and extend the state of the art of large-scale genomic sequencing with respect to cost, throughput, and quality, and will contribute significantly to addressing the many questions where high-throughput sequence data is essential. Applicants to this program are required to submit a parallel application to the Initiative to Maximize Research Education in Genomics (R25): http://grants.nih.gov/grants/guide/pa-files/PA-11-016.html. Individual application budgets should not exceed $45M per year for up to four years. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.
**NHLBI Investigator-Initiated Resource-Related Research Projects (R24)**

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)


Contact: Varies with research interest

Solicitation number: PAR-11-090

This FOA invites Resource-Related Research Project applications (R24) to support projects that will enhance the capabilities of ongoing basic, translational, and clinical research through the development of resources or infrastructure for use by the broader scientific community for furthering research. Only applications with budgets greater than $500K direct costs in at least one budgeted year will be considered for funding. The maximum project period is five years.

**Informatics Tools for High-Throughput Sequence Data Analysis (U01)**

National Institutes of Health, National Human Genome Research Institute (NHGRI)


Contact: Adam Felsenfeld, 301/496-7531, adam_felsenfeld@nih.gov

Solicitation number: RFA-HG-10-018

This FOA is intended to fund the further development of existing computational software tools for use with contemporary DNA sequencing technology in order to make those tools sufficiently robust, reliable, well-documented, and well-supported that they can be readily adopted by any biological or biomedical research laboratory. Application budgets are limited to $750K direct costs, and need to reflect actual needs of proposed project.

**Research on Research Integrity (R21)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: RFA-ES-11-004

This FOA encourages research that will improve understanding of the basic mechanisms of research integrity by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and time points in the life course for Responsible Conduct of Research (RCR) education and the identification of common mechanisms of behavior change related to research integrity. This initiative seeks to capitalize on emerging basic science to accelerate the investigation of common mechanisms that play a role in initiating or maintaining research integrity and are applicable across a broad range of research-related behaviors. By focusing basic research on the mechanisms of research integrity, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy and effectiveness of RCR education and cost efficiency of behavior change interventions when research misconduct is found. Direct costs are limited to $275K over a two-year project period.

**A GenitoUrinary Development Molecular Anatomy Project (GUDMAP) (U01)**

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Deborah Hoshizaki, 301/594-7712, deborah.hoshizaki@nih.gov

Solicitation number: RFA-DK-11-001

This FOA invites applications for Cooperative Agreement Research Projects (U01) that focus on defining the molecular anatomy of the developing murine lower urinary tract, or the innervation and vasculature of the lower urinary tract organs. These applications will be considered as part of a continuing GUDMAP effort. The direct costs are expected to be in the range of $100K to $200K per year for a five-year period.
Interdisciplinary Approaches for HIV AIDS Risk-Avoidance Decision Making in Developing Adolescents

National Institutes of Health, National Institute of Nursing Research (NINR)
Contact: Jeanette Hosseini, 301/594-5972, Jeanetteh@mail.nih.gov
Solicitation number: RFA-NR-11-007
This FOA invites interdisciplinary formative research projects attempting to explore HIV/AIDS risk avoidance decision-making among adolescents. Prevention strategies that consider social, cultural, and gender constructs in combination with neurological and cognitive maturity may offer the best opportunity for prevention strategies to reduce HIV transmission in adolescents. The direct costs cannot exceed $350K for any given year. Three to five projects with a maximum period of five years will be funded.

Superfund Hazardous Substance Research and Training Program (P42) - Limited Submission

National Institutes of Health, National Institute of Environmental Health Sciences (NIEHS)
Contact: William Suk, 919/541-0797, suk@niehs.nih.gov
Solicitation number: RFA-ES-10-010
These grants will support problem-based, solution-oriented research Centers that consist of multiple, integrated projects representing both the biomedical and non-biological disciplines; as well as cores tasked with administrative, community engagement, research translation, research support, and training functions. The scope of the SRP Centers includes: 1) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; 2) methods to assess the risks to human health presented by hazardous substances; 3) methods and technologies to detect hazardous substances in the environment; and 4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances. A new applicant may request a budget for direct costs of up to $1.8M for the first year. New applicants may propose a project period of up to four years. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Cancer Prevention Research Small Grant Program (R03)

National Institutes of Health, National Cancer Institute (NCI)
Contact: Varies with research interest
Solicitation number: PAR-11-079
The National Cancer Institute (NCI) invites applications that propose small and time-limited projects pertinent to the development of cancer chemoprevention agents, biomarkers for early cancer detection, cancer-related nutrition science, and/or clinical prevention studies that focus on specific target organs. Proposed projects may involve basic animal and/or translational research and/or human subjects-oriented research. New, as well as established, investigators in relevant fields and disciplines are encouraged to apply to test the feasibility of innovative ideas or carry out pilot studies. Ultimately, these small grants are expected to facilitate the development of full research projects grants.
Dietary Influence on the Human Health Effects of Environmental Exposures (R21)

National Institutes of Health, National Institute of Environmental Health Sciences  (NIEHS)


Contact:  Kimberly Gray, 919/541-0293, gray6@niehs.nih.gov

Solicitation number:  RFA-ES-11-002

This FOA solicits grant applications to develop and test plausible hypotheses that relate dietary factors to the development or progression of toxicant-induced diseases. The ultimate goal of this research program is to produce new research findings that will expand our understanding of how environmental toxicants and diet/nutrition interact to influence human health and enable the development of effective primary prevention and intervention strategies to mitigate environmentally-induced diseases. The total direct costs allowed over the life of the grant may not exceed $300K. Approximately 10 awards will be made with a maximum project period of three years.

Increasing Opportunities in Advanced Heart Failure and Palliative Care Research (R01)

National Institutes of Health, National Institute of Nursing Research (NINR)


Contact:  Noreen Aziz, 301/594-2542, azizn@mail.nih.gov

Solicitation number:  RFA-NR-11-006

The purpose of this research initiative is to examine the burden of illness imposed by advanced Heart Failure and the complex palliative care needs due to the multi factorial etiology and varying trajectories of disease in this population; study the medical, physical and psychosocial relationships between disease status, symptoms, psychological and functional conditions, spiritual concerns and QOL; and develop and test appropriate palliative and end-of-life care interventions for those with advanced HF and their caregivers. Application budgets are limited to $300K in direct costs per year, and are not to exceed four years.

Learning Disabilities Research Centers (P50)

National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)


Contact:  Brett Miller, 301/496-9849, millerbre@mail.nih.gov

Solicitation number:  RFA-HD-12-202

The Program will focus on generating new scientific knowledge to inform our understanding of learning disabilities and comorbid conditions. The request invites both foundational and translational, transdisciplinary research examining issues related to etiology, classification and definition of, and prevention and remediation of learning disabilities impacting listening, speaking, reading, writing, and mathematics with an emphasis on comorbid conditions. The P50 mechanism allows for richly integrative, multi-method approaches to examining research topics focusing on learning disabilities that are not feasible through standard research mechanisms. Applicants should propose inter-disciplinary, coordinated programs of research that demonstrate cohesion and synergy across research subprojects and cores. Direct costs of up to $1.2M may be requested for the initial year. Four to five awards with a maximum period of five years will be made.
Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01)

National Institutes of Health, Cross-Institute


Contact: Ronald Abeles, 301/496-7859, aabeles@nih.gov

Solicitation number: PAR-10-136

The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disparities disparities in the U.S. population. Emphasis is placed on research in public policy, health care, and disease/disability prevention. Particular attention is given to reducing health gaps among groups. Proposals that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as system science or community-based participatory research are particularly encouraged. This FOA runs in parallel with a FOA of identical scientific scope, PAR-10-137, that encourages applications under the R21 mechanism.

Education Research in Sleep Health and Sleep-Circadian Biology (R25)

National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health


Contact: Varies with research interest

Solicitation number: PAR-11-098

This FOA invites the submission of grant applications focused on scientific advances in sleep health and circadian and sleep biology. Proposed projects may include the development of innovative education tools, platforms, and programs that will transfer health information and scientific advances in sleep and circadian biology to research scientists, health care providers, educators from diverse disciplines, and to specific populations including youth, older adults, women, racial and ethnic minorities, and veterans. Projects should draw upon cutting-edge education, knowledge transfer, or social marketing models and must include analytic plans for the assessment of program efficacy and plans for adoption and sustained implementation in other settings. The maximum award period is four years.

HIV Incidence Assays with Improved Specificity (R01)

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Michael Gilbreath, 301/451-2743, gilbreathmj@niaid.nih.gov

Solicitation number: PA-10-212

This FOA solicits grant applications that propose to develop improved HIV incidence assays with increased specificity and reliability for distinguishing incident from chronic HIV infections. A project duration of up to five years may be requested.

Research on Malignancies in the Context of HIV AIDS (R01)

National Institutes of Health, National Cancer Institute (NCI), National Institute of Dental and Craniofacial Research (NIDCR)


Contact: Elizabeth Read-Connole, 301/496-6085, bconnole@mail.nih.gov

Solicitation number: PA-10-290

This FOA encourages proposals to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection.
5/7/2011   Application
9/7/2011   Application

**Substance Use and Abuse, Risky Decision Making and HIV AIDS (R01)**

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)

http://fellowships.ssrc.org/abe/detailed_app_criteria/

Contact:  Varies with research interest

Solicitation number:  PA-11-006

This FOA is intended to stimulate model-driven research to understand the ways that people make decisions about engaging in behaviors that impact the risk of acquiring or transmitting HIV, or to adhere to treatments for HIV. Applications are encouraged to study cognitive, motivational, or emotional mechanisms and/or brain neuroendocrine and reinforcement systems that are related to HIV-risk behaviors or treatment non-compliance. This FOA runs in parallel with FOAs of identical scientific scope, PA-11-007, that encourages applications under the R21 mechanism and PA-11-008 that encourages applications under the R03 mechanism.

5/7/2011   AIDS Application
9/7/2011   AIDS Application

**HIV Infection of the Central Nervous System (R01)**

National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PA-11-014

This FOA invites research grant applications focused on defining the pathogenic mechanisms involved in Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and identifying therapeutic strategies to treat and prevent the neurobehavioral and neurological effects of HIV-1 on the central nervous system (CNS). Applications ranging from basic research to clinical diagnosis and treatment in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required. The maximum project period is five years.

5/7/2011   AIDS Application

**Sickle Cell Disease - Inflammation, Thrombosis and Vascular Dysfunction, NHLBI (R01)**

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)


Contact:  Andrei Kindzelski, 301/435-0070, kindzelskial@nhlbi.nih.gov

Solicitation number:  PA-11-013

This FOA encourages applications that propose collaborative studies that comprise a team effort of Sickle Cell Disease (SCD) investigators and researchers from biochemical, biophysical, and immunological fields. Such studies are needed to identify new pathways and regulatory mechanisms that may be as important in the pathophysiology of SCD as red blood cell (RBC) sickling itself. The maximum project period is five years. Unamended new (Type 1) applications submitted in response to this PA will be considered for funding at 5 percentile points above the Institute's regular payline for unamended R01 applications

5/7/2011   AIDS Application

**Toward An Improved Understanding of HDL Function, NHLBI (R01)**

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)


Contact:  Lijuan Liu, 301/435-0550, liu@mail.nih.gov

Solicitation number:  PA-11-012

This FOA encourages grant applications that propose to develop, validate, and standardize assays to measure HDL function and biomarkers for HDL function and to identify novel genes, pathways, and potential HDL targets in the relationship to HDL function. Innovative methods to determine HDL functional properties such as in vivo reverse cholesterol transport (RCT), anti-oxidant, anti-inflammatory, and antithrombotic activities, and biomarkers for HDL function are encouraged. Projects that will explore HDL functional pathways, new genes and therapeutics related to HDL function are also encouraged. Unamended new (Type 1) applications submitted in response to this PA will be considered for funding at 5 percentile points above the Institute's regular payline for unamended R01 applications
Getting from Genes to Function in Lung Disease, NHLBI (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Susan Schlegel, 301/435-0202, schleges@nhlbi.nih.gov
Solicitation number: PA-11-011
This FOA encourages Research Project Grant (R01) applications that propose to characterize the function of gene(s) and their associated variants identified by genome-wide association studies (GWAS) or other genetic approaches to be involved in lung diseases. Studies should use integrated approaches across scientific disciplines to determine the pathobiological function of these genes. Unamended new (Type 1) applications submitted in response to this PA will be considered for funding at 5 percentile points above the Institute’s regular payline for unamended R01 applications.

5/18/2011 Application

NEI Genomic Research Grant on Integrative Data Analysis for Vision Research (R01)
National Institutes of Health, National Eye Institute (NEI)
Contact: Hemin Chin, 301/451-2020, hemin@nei.nih.gov
Solicitation number: RFA-EY-11-001
This FOA encourages the submission of applications proposing integrative and in-depth analyses of existing large-scale genetic and genomic data sets relevant to the NEI mission, as well as the development of novel bioinformatics approaches and innovative computational tools to interpret these data sets. Applicants are particularly encouraged to propose integrative analysis of existing large-scale, high-throughput data sets generated by utilizing advanced genomic technologies and combined analysis of multiple data sets obtained with other high dimensional technologies such as imaging, if feasible. This FOA will not support the collection of additional data; only existing data sets may be used. Applicants may request up to $250K annual direct costs for up to three years.

5/19/2011 Application

Technologies for Healthy Independent Living (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-020
This FOA encourages applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. This FOA runs in parallel with PAR-11-020, which solicits applications under the R21 Exploratory/Developmental Grant.

5/25/2011 Application

NIDDK Education Program Grants (R25)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Contact: Varies with research interest
Solicitation number: PAR-10-092
This FOA encourages Research Education (R25) proposals to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK: diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic disease. Up to $500K in direct costs over a five-year period may be requested.
Identification and Characterization of Molecular Targets Within the mTOR Pathway (R21)
National Institutes of Health, National Cancer Institute (NCI), National Institute on Aging (NIA)
Contact: Varies with research interest
Solicitation number: PA-10-164
This FOA encourages applications focused on: identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging; and identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention. Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models. Direct costs are limited to $275K over a two-year period, with no more than $200K allowed per year.

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Dorkina Myrick, 301/496-8580, myrickd@mail.nih.gov
Solicitation number: PAR-10-165
This FOA represents the continuation of the Cancer Education and Career Development Program (CECDP) established by the NCI. The purpose of the CECDP is to support the development and implementation of institutional curriculum dependent predoctoral or postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/or biostatistics. Total direct costs may not exceed $100K annually. The maximum project period for an award is five years.

NIA Program Project Applications (P01)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Robin Barr, 301/496-9322, BarrR@mail.nih.gov
Solicitation number: PAR-11-066
This FOA invites the submission of investigator-initiated program project (P01) applications relevant to the NIA mission. Each P01 submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective. The maximum project period is five years. The companion FOA is PAR-10-284, National Institute on Aging: Revision Requests for Active Program Projects (P01).

NIAID Resource Related Research Projects for AIDS, Allergy, Immunology and Transplantation (R24)
National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)
Contact: Varies with research interest
Solicitation number: PAR-11-056
This FOA invites submission of investigator-initiated Resource-Related Research Projects (R24) applications. These applications are limited to the research priorities of the Division of AIDS (DAIDS), and the Division of Allergy, Immunology and Transplantation (DAIT). The proposed resource must provide a significant benefit to currently funded high priority projects in need of further coordination and support in the areas specified. The proposed applications must address scientific areas relevant to the specific parts of the NIAID mission including the biology, pathogenesis, and host response to HIV; the mechanisms of normal immune function and immune dysfunction resulting in autoimmunity, immunodeficiency, allergy, asthma, and transplant rejection; and research to develop vaccines, therapeutics, and diagnostics to prevent and treat HIV, immune-mediated, and allergic diseases.
**NIDDK Program Project Applications (P01)**

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Varies with research interest

Solicitation number: PAR-11-043

This FOA invites submission of investigator-initiated Program Project Applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. Applications must have budgets greater than or equal to $500K in direct costs per year. New (Type 1) and renewal (Type 2) program project applications cannot request more than $6.25M in direct costs over the maximum project period, five years.

---

**Grants for Research in Glomerular Diseases (R01)**

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Marva Moxey-Mims, 301/594-7717, mm726k@nih.gov

Solicitation number: PA-10-113

NIDDK invites applications from new or established investigators to pursue exploratory investigations of glomerular disease, which would foster development of new ideas enhancing the understanding of disease detection, pathogenesis, pre-emption and/or treatment. Costs appropriate for the project and a project duration of up to five years may be requested.

---

**Research on Autism and Autism Spectrum Disorders (R01)**

National Institutes of Health, Cross-Institute


Contact: Lisa Gilotty, 301/443-3825, gilottyl@mail.nih.gov

Solicitation number: PA-10-158

This FOA encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders. Basic, clinical, and applied studies are encouraged. This FOA runs in parallel with two FOAs of identical scientific scope, PA-10-159 and PA-10-160, which encourage applications under the R03 and R21 mechanisms, respectively.

---

**Development of Assays for High-Throughput Screening for Use in Probe and Pre-therapeutic Discovery (R01)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-10-213

This FOA encourages applications that propose the development of assays for high-throughput screening relevant to processes and diseases with the intent of using them to screen for small molecule compounds that show desired properties as probes for use in advancing knowledge about the relevant target, identifying new targets, or serving as pre-therapeutic leads. Assays should be relevant to the scope of the research for at least one of the sponsoring NIH Institutes.
Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Varies with research interest
Solicitation number: PA-11-073
This FOA encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Focal Cognitive Deficits in CNS Disorders (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-11-067
The purpose of this FOA is to invite grant applications to expand basic and translational research, including intervention research, on the types, nature, and functional consequences of focal or specific cognitive deficits experienced by persons with central nervous system disorders. The Office of Behavioral and Social Sciences Research (OBSSR) joins this FOA as part of its efforts to promote research on the behavioral and social aspects of health and illness.

Research on Alcohol-Related Public Policies (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Gregory Bloss, 301/443-3865, gbloss@mail.nih.gov
Solicitation number: PA-11-087
This FOA invites applications to conduct research on the effects of alcohol-related public policies on health, economic, and social behaviors and outcomes. The purpose of the FOA is to advance understanding of public policy pertaining to alcohol as a tool for improving public health and welfare. Research supported by this FOA includes, but is not necessarily limited to, studies examining the effects of alcohol-related public policies on health-related behaviors and outcomes, evaluations of public policies as tools for improving public health, and research to advance methods and measurement used in studying relationships between alcohol-related public policies and health-related behaviors and outcomes. This FOA runs in parallel with PA-11-088, which solicits applications under the R03 mechanism, and PA-11-089, which solicits applications under the R21 mechanism.

Research Into the Impact of Economic Fluctuations on Alcohol Consumption, Drinking Patterns, and Prevention (R0)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Robert Freeman, 301/443-8820, rfreeman@mail.nih.gov
Solicitation number: PA-11-061
This FOA encourages applications that propose to investigate the impact of national or local economic fluctuations on alcohol consumption, alcohol drinking patterns, and the prevention and treatment of problem drinking. The maximum project period is five years. This FOA runs in parallel with PA-11-062, which solicits applications under the R21 mechanism.
Neuroimmune Mechanisms of Alcohol Related Disorders (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Changhai Cui, 301/443-1678, changhai.cui@nih.gov
Solicitation number: PA-11-064
This FOA encourages proposals to study the neuroimmune mechanisms of alcohol related disorders. Studies supported by this FOA will provide fundamental insights of neuroimmune mechanisms underlying brain functional and behavioral changes induced by alcohol. This FOA runs in parallel with PA-11-065, which solicits applications under the R21 mechanism.

Women and Sex & Gender Differences in Drug and Alcohol Abuse & Dependence (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Varies with research interest
Solicitation number: PA-11-047
The purpose of this FOA is to advance research on male-female differences in drug and alcohol abuse and addiction and on factors specific to women. Both human and animal model studies are sought. The maximum project period is five years. This FOA runs in parallel with PA-11-048, which solicits applications under R21 Exploratory/Developmental Grant mechanism, and PA-11-049, which solicits applications under the R03 Small Grant Program mechanism.

Studies in Neonatal Hypoglycemia (R01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Contact: Tonse Raju, 301/402-1872, rajut@mail.nih.gov
Solicitation number: PA-11-053
This FOA encourages applications to propose studies related to basic, applied, and translational research in neonatal hypoglycemia, which may lead to better monitoring and treatment strategies for altered neonatal glucose homeostasis. This FOA runs in parallel with FOAs of identical scientific scope, PA-11-054 and PA-11-055, that encourage applications under the R03 and R21 award mechanisms. Budgets for direct costs of up to $499,999 per year and project duration of up to five years may be requested.

Mechanisms of Adverse Drug Reactions in Children (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-051
This FOA encourages projects that enhance the state-of-the-science on the molecular and cellular, genetic and epigenetic mechanisms involved in the production of adverse drug reactions in children. The objective of this announcement includes research on the role of ontogeny and the characterization of pharmacogenetic and developmental variations of drug metabolizing enzymes (DMEs), transporters, ion channels, receptors and signaling pathways that are responsible for drug toxicity in the pediatric population. The maximum project period is five years. This FOA runs in parallel with PAR-11-052, which solicits applications under the R03 mechanism.
**Developmental Pharmacology (R01)**
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-057
This FOA encourages applications that propose to encourage multidisciplinary, investigator-initiated basic and translational research in developmental pharmacology with particular emphasis on the role of ontogeny on drug metabolizing enzymes, transporters, receptors and signaling pathways activity across developmental periods from fetal life to adolescence. Applications for an R01 award are limited to a total direct cost of $499,999 and may not exceed five years. This FOA runs in parallel with PAR-11-058, which solicits applications under the R03 Small Grant Program mechanism, and PAR-11-059, which solicits applications under the R21 Exploratory/Developmental Grant mechanism.

**The Development of Frontal Cortex and Limbic System and Their Roles in Drug Abuse (R01)**
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Da-Yu Wu, 301/443-1887, wudy@mail.nih.gov
Solicitation number: PA-11-027
This FOA encourages proposals to study the development of the frontal and prefrontal cortices, together with the subcortical areas of the limbic system, that play significant roles in mediating emotional and motivated behavior. This initiative is designed to support the basic neuroscience research into the fundamental mechanisms of development of the frontal and prefrontal cortices, as well as the midbrain and basal forebrain structures that mediate a number of functions related to drug abuse and psychiatric disorders including: the euphoric properties of drugs, actions of psychotherapeutic agents, and memory, cognitive and emotional functions. An additional major goal of this initiative is to understand how exposure to drugs of abuse affects the cellular and molecular mechanisms underlying nervous system development of circuits implicated in drug reward and addiction.

**Understanding and Treating Co-Morbid Conditions in Adolescents with Intellectual and Developmental Disabilities**
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Contact: Mary Lou Oster-Granite, 301/435-6866, mo960@nih.gov
Solicitation number: PA-11-039
This FOA encourages research project grant applications that propose to focus research upon the factors that impact functioning and quality of life in individuals with intellectual and developmental disabilities (IDD) during adolescence. Budgets for direct costs of up to $500K per year may be requested for a maximum of $2.5M direct costs over a five-year project. The companion FOAs are PA-11-040, which solicits applications under the R03 mechanism, and PA-11-041, which solicits applications under the R21 mechanism.
**Functional Genetics, Epigenetics, and Non-coding RNAs in Drug Addiction Functional (R01)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: John Satterlee, 301/435-1020, satterleej@nida.nih.gov

Solicitation number: PA-11-033

This FOA encourages basic functional genomic research in two areas: 1) functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2) detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction. The project period may not exceed five years. NIH prior approval is required for any application requesting $500K or more in direct costs for any year. This FOA will utilize the R01 mechanism and runs in parallel with FOAs of identical scientific scope, PA-11-034, that encourages applications under the R21 mechanism and PA-11-035 that encourages applications under the R03 mechanism.

**Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Joni Rutter, 301/443-1887, jrutter@mail.nih.gov

Solicitation number: PA-11-026

This FOA encourages applications for research projects that identify and/or validate chromosomal loci and variations in genes that are associated with vulnerability to addiction and that inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data.

**Continued Development and Maintenance of Software (R01)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-11-028

The goal of this FOA is to support the continued development, maintenance, testing, and evaluation of existing software. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing biomedical informatics/computational biology software to a broader biomedical research community.

**Collaborative Studies on the Central Nervous System and Glycemia (R01)**

National Institutes of Health, Cross-Institute


Contact: Merrill Mitler, 301/496-99614, mitterm@ninds.nih.gov

Solicitation number: PAS-11-029

This FOA promotes new interdisciplinary collaborations by researchers in neuroscience and in diabetes/metabolism to further understanding of the mechanisms by which the Central Nervous System (CNS) controls glucose levels and the consequences to the CNS of derangements in these mechanisms. A maximum of $750K in first year direct costs is available. The total project period may not exceed five years.
6/5/2011 Application
10/5/2011 Application

**Alcohol Marketing and Youth Drinking (R01)**
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Aaron White, 301/451-5943, whitea4@mail.nih.gov
Solicitation number: PA-11-015
This FOA encourages grant applications that propose to investigate the factors that mediate and moderate the impact of alcohol advertising and other alcohol promotions on youth drinking. The project period may not exceed five years.

---

6/5/2011 Application
10/5/2011 Application

**Epidemiology and Prevention in Alcohol Research (R01)**
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Marcia Scott, 301/402-6328, mscott@mail.nih.gov
Solicitation number: PA-11-016
This FOA encourages the submission of investigator-initiated research grant applications to support research investigating the epidemiology of alcohol use, alcohol-related harms, and alcohol use disorders and the prevention of underage drinking, alcohol-related harms, and alcohol use disorders. The maximum project period is five years.

---

8/1/2011 Application

**NIH Summer Research Experience Programs (R25)**
National Institutes of Health
Contact: Varies with research interest
Solicitation number: PAR-11-050
The purpose of this FOA is to provide a high quality research experience for high school and college students and for science teachers during the summer academic break. The NIH expects that such programs will: help attract young students to careers in science; provide opportunities for college students to gain valuable research experience to help prepare them for graduate school; and enhance the skills of science teachers and enable them to more effectively communicate the nature of the scientific process to their students. The programs would also contribute to enhancing overall science literacy. Summer Research Programs that expand and complement existing summer educational and training programs are encouraged. Budgets cannot exceed $100K direct costs per year for up to five years.

---

8/7/2011 Letter of Intent (optional)
9/7/2011 Application

**Centers Program for Research on HIV and AIDS and Mental Health (P30)**
National Institutes of Health, National Institute of Mental Health (NIMH)
Contact: Andrew Forsyth, 301/443-8403, aforsyth@mail.nih.gov
Solicitation number: PAR-11-019
This FOA encourages applications for Center Core grants (P30) to support either HIV/AIDS Research Centers (ARC) or Developmental ARCs (D-ARC). The ARC/D-ARC Program is intended to provide infrastructural support that facilitates the development of high impact science in HIV/AIDS and mental health that is relevant to the NIMH mission. Applicants may request up to $750K total costs per year for up to four years for a D-ARC, or $1.75M total costs per year for up to five years for an ARC.
Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-08-191
These supplements encourage individuals with a high potential to re-enter research careers after taking time off to care for children or attend to other family responsibilities. This program will provide administrative supplements to existing NIH research grants for the purpose of supporting full-time or part-time research by these individuals in a program geared to bring their existing research skills and knowledge up to date. The parent grant should have at least two years of support remaining at the time of the proposed beginning date of the supplemental funding. One to three years of supplemental support can be awarded under this program. Applications can be received at any time.

10/14/2011 Full Proposal
Utilization of a Human Lung Tissue Resource for Vascular Research (R03)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Timothy Moore, 301/435-0222, Tim.Moore@nih.gov
Solicitation number: RFA-HL-11-032
This FOA solicits grant applications that propose to conduct human tissue- and cell-based vascular research. The primary goal of this initiative is to promote research that will advance translational efforts in lung vascular disease. This program makes available human biospecimens collected by the Pulmonary Hypertension Breakthrough Initiative (PHBI). Biospecimens may be used to investigate mechanistic research questions in lung vascular biology, including validating hypotheses of pulmonary arterial hypertension (PAH) pathogenesis. The maximum project period is two years.

National Science Foundation (NSF)

2/9/2011 Research Letter of Intent (required)
3/22/2011 Research Full Proposal
9/6/2011 Extension Service Letter of Intent (required)
10/13/2011 Extension Service Full Proposal
10/13/2011 Diffusion of Research-based Innovation Proposals

Research on Gender in Science and Engineering (GSE)
National Science Foundation, Education and Human Resources (EHR)
Contact: Jolene Jesse, 703/292-7303, jjesse@nsf.gov
Solicitation number: NSF 10-516
The GSE program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics education and workforce participation through research projects. Behavioral, cognitive, affective, learning, and social differences may be investigated using methods of sociology, psychology, anthropology, economics, statistics, and other social and behavioral science and education disciplines. Research projects investigate gender-based factors that impact learning and choice in STEM education and the workforce; or study societal, formal and informal educational systems' interaction with individuals that encourage or discourage interest and persistence in study or careers in certain STEM fields along gender lines. Diffusion of Research-Based Innovation projects provide a mechanism for engaging a wider audience of practitioners with research findings and strategies for changing educational practice relative to gender issues. There are three types of Diffusion awards: Pilot, Scale Up, and Dissemination. Extension Services create a cadre of extension service agents through training and consulting services to inform educators and other practitioners about and enable them to adopt and embed proven gender-inclusive policies and practices.
2/9/2011    Full Proposals (except Equipment Acquisition)
7/18/2011    Full Proposals (all categories)

Earth Sciences Instrumentation and Facilities (EAR/IF)
National Science Foundation, Geosciences (GEO)
Contact: Varies with research interest
Solicitation number: NSF 10-561
The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports requests for infrastructure that promotes research and education in areas supported by the Division. EAR/IF will consider proposals for: Acquisition or Upgrade of Research Equipment; Development of New Instrumentation, Analytical Techniques or Software; Support of National or Regional Multi-User Facilities; or Support for Early Career Investigators.

2/10/2011    Full Proposal

Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences (UBM)
National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 08-510
The goal of this program is to enhance undergraduate education and training at the intersection of the biological and mathematical sciences and to better prepare undergraduate biology or mathematics students to pursue graduate study and careers in fields that integrate the mathematical and biological sciences. The core of the activity is jointly-conducted long-term research experiences for interdisciplinary balanced teams of at least two undergraduates from departments in the biological and mathematical sciences. Proposals may be of either large scope (Institutional projects) or small scope (Group projects). Total award sizes for Institutional projects should not exceed an average of $200K per year. Total award sizes for Group projects should not exceed $80K per year.

2/11/2011    Proposal
9/16/2011    Proposal

Research in Engineering Education
National Science Foundation, Engineering (ENG)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584
Contact: Susan Kemnitzer, 703/292-5347, skemnitz@nsf.gov
Solicitation number: PD 10-1340
The Division of Engineering Education and Centers (EEC) seeks to enable a world-leading system of engineering education, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the nation's economy. Research areas of interest include, but are not limited to: 1) Increasing our understanding of how engineering students learn and the capacity that supports such discovery; 2) Understanding how to increase the diffusion and impact of engineering education research; 3) Understanding engineering education in broader, organizing frameworks such as innovation, globalization, complex engineered systems, or sustainability; and 4) Diversifying pathways to and through engineering degree programs. Most projects will be funded at approximately $100K per year.

2/15/2011    IRES Proposals
12/31/2011    DDEP Proposals (ongoing)

Developing Global Scientists and Engineers
National Science Foundation, Office of International Science and Engineering (OISE)
Contact: Varies by geographic region
Solicitation number: NSF 04-036
OISE supports international research and education experience for scientists early in their careers. International Research Experiences for Students (IRES) aims to provide high quality educational experiences for small groups of undergraduate or graduate students through active research participation in collaboration with foreign researchers at an international site. Proposals are accepted from institutions on behalf of a small group of students. Doctoral Dissertation Enhancement Projects (DDEP) support dissertation research at a foreign site. The doctoral faculty advisor submits the proposal on behalf of the student.
The NSF-Census Research Network (NCRN) - Limited Submission

National Science Foundation


Contact: Cheryl Eavey, 703/292-7269, ceavey@nsf.gov

Solicitation number: NSF 10-621

The NSF-Census Research Network will provide support for a set of research nodes, each of which will be staffed by a team of scientists conducting interdisciplinary research and educational activities on methodological questions of interest and significance to the broader research community and to the Federal Statistical System, particularly the U.S. Census Bureau. The activities will be expected to advance both fundamental and applied knowledge as well as further the training of current and future generations of researchers in research skills of relevance to the measurement of economic units, households, and persons. Two types of research nodes will be supported in 2011: Small Nodes and Medium Nodes. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Collaborative Research in Computational Neuroscience (CRNS)

National Science Foundation, Cross-Directorate


Contact: Kenneth Whang, 703/292-5149, kwhang@nsf.gov

Solicitation number: NSF 11-505

Through the CRCNS program, participating organizations of NSF, the National Institutes of Health, and the German Federal Ministry of Education and Research support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. Three classes of proposals will be considered in response to this solicitation: 1) Research Proposals describing collaborative research projects; 2) US-German Research Proposals describing international collaborative research projects to be funded in parallel by US and German agencies; and 3) Data Sharing Proposals to enable sharing of data and other resources.

Nanotechnology Undergraduate Education (NUE) in Engineering - Limited Submission

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 11-524

This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of this year’s competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology. The lead PI must hold a faculty appointment within a College/Department of Engineering. Each award will be up to a maximum of $200,000 for two years. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.
Computing Education for the 21st Century (CE21)

National Science Foundation, Cross-Directorate

Contact: Varies with research interest

Solicitation number: NSF 10-619

This program aims to build a computationally savvy 21st century workforce that positions the US to demonstrate a leadership role in the global economy. All CE21 projects are expected to contribute to the creation of a rich research base that informs our understanding of effective teaching and learning in computing, as well as to draw on partnerships among the computing and teaching and learning communities, institutions of learning, and other stakeholders. CE21 will fund three types of proposals. Type I proposals will contribute to the research base on the effective teaching and learning of computing, draw on partnerships of informed and committed stakeholders, and create and study the effectiveness of new instructional materials and interventions and/or strategies to develop K-14 teaching expertise. Type II proposals will contribute to the research base on the effective teaching and learning of computing, draw on partnerships of informed and committed stakeholders, and create and study the effectiveness of new instructional materials and interventions and strategies to develop K-14 teaching expertise. Type II proposals demonstrate implementations at scale, where the interventions to be taken to scale have already proven effective in smaller-scale efficacy studies. Planning proposals support the establishment of new partnerships and collaborations necessary to develop Type I or Type II proposals.

Robert Noyce Teacher Scholarship Program

National Science Foundation, Education and Human Resources (EHR)

Contact: Joan Prival, 703/292-4635, jprival@nsf.gov

Solicitation number: NSF 11-517

This program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The Noyce Scholarship Track provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who earn a teaching credential and commit to teaching in high-need K-12 school districts. The NSF Teaching Fellowship/Master Teaching Fellowship Track supports STEM professionals who enroll as NSF Teaching Fellows in master's degree programs leading to teacher certification by providing academic courses, professional development, and salary supplements while they are fulfilling a four-year teaching commitment in a high need school district.

Research Experiences for Teachers (RET) in Engineering and Computer Science Site Proposals - Limited Submission

National Science Foundation

Contact: Varies with research interest

Solicitation number: NSF 11-509

A RET in Engineering and Computer Science Site project is an independent proposal to provide groups of in-service and preservice K-12 STEM teachers and/or community college faculty with discovery and technology-based learning experiences in engineering and computer science laboratories and facilities, which will then be incorporated into their classroom activities during the school year. A RET Site proposal must be submitted by a College, School, or Department of Engineering, Engineering Technology, or Computer and Information Science and must involve teachers and/or community college faculty in an engineering or computer science research project for a duration of at least six weeks. The maximum total request for a Site is $500K for a duration of up to three years. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.
Undergraduate Research and Mentoring in the Biological Sciences (URM) - Limited Submission

National Science Foundation, Biological Sciences (BIO)

Contact: 703/292-8470, biourm@nsf.gov

Solicitation number: NSF 10-531

Support will be provided to academic institutions to establish innovative programs to engage undergraduates in a year-round research and mentoring activity in any area of biology supported by the NSF Directorate for Biological Sciences or in interdisciplinary areas supported by BIO. Particular emphasis will be placed on broadening participation of members of groups historically underrepresented in science and engineering: African Americans, Alaska Natives, American Indians, Hispanic Americans, Native Hawaiians and other Pacific Islanders, and persons with disabilities. Requests may be submitted for funding amounts up to a total of $1M for up to 5 years. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Catalyzing New International Collaborations

National Science Foundation

Contact: Rebecca Gaul, 703/292-8710, intfl@nsf.gov

Solicitation number: NSF 11-508

This program supports the participation of U.S. researchers and students in activities intended to catalyze new international collaborations. NSF may consider proposals for collaborations with any country that is not explicitly proscribed by the Department of State. Activities can be in any field of science and engineering research and education supported by the NSF. The integration of research and education and of diversity into NSF programs, projects, and activities will be carefully considered. It is anticipated that approximately 40 awards will be made annually at a total investment of $2M, subject to the availability of funds.

Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories

National Science Foundation, Biological Sciences (BIO), Geosciences (GEO)

Contact: Varies with research interest

Solicitation number: NSF 05-550

Biological Field Stations and Marine Laboratories (FSMLs) are off-campus facilities for research and education conducted in the natural habitats of terrestrial, freshwater, and marine ecosystems. NSF invites proposals that address the improvement of FSML facilities and equipment. Only one application may be submitted per facility. Proposals may request up to $350K.

Disaster Resilience for Rural Communities (DRRC)

National Science Foundation, Engineering (ENG), Social, Behavioral, and Economic Sciences (SBE)

Contact: Varies with research interest

Solicitation number: NSF 11-510

In a joint announcement, the USDA National Institute of Food and Agriculture and NSF call for proposals to advance basic research in engineering and the social, behavioral, and economic sciences on enhancing disaster resilience in rural communities. Applicants must address at least one of the following topics, or a combination, in terms of the vulnerabilities and resilience of rural communities to natural hazards or risks from accidents at facilities such as chemical plants: 1) Hazard mitigation practices of rural communities; 2) Hazard preparedness and emergency response in rural communities; or 3) Disaster recovery in rural communities. Four to six awards, not to exceed $400K in size, will be awarded, with project periods ranging from one to three years.
3/7/2011 Campus Pre-Proposal

---

Science and Technology Centers - Integrative Partnerships - Limited Submission

National Science Foundation, Cross-Directorate


Contact: Pamela O'Neil, 703/292-8040, poneil@nsf.gov

Solicitation number: NSF 11-522

The Science and Technology Centers (STC): Integrative Partnerships program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-term awards. STCs may involve any areas of science and engineering that NSF supports. Centers provide a rich environment for encouraging future scientists, engineers, and educators to take risks in pursuing discoveries and new knowledge. STCs should facilitate knowledge transfer, integrate education and research, involve groups traditionally underrepresented in science and engineering at all levels, and include partnerships among academic institutions, national laboratories, industrial organizations, and international collaborators, as appropriate. This is a limited submission opportunity. Please see http://www.research.ucsb.edu/funding/LimitedSubmission.aspx for campus procedures.

3/7/2011 Agency Full Proposal

High Performance Computing System Acquisition Enhancing the Petascale Computing Environment for Science and Engineering

National Science Foundation, Office of Cyberinfrastructure


Contact: Irene Qualters, 703/292-2339, iqualter@nsf.gov

Solicitation number: NSF 11-511

The purpose of this solicitation is to generate proposals from Resource Provider organizations who are committed to the delivery of world leading High Performance Computing (HPC) resources through the XD environment. One award of $30M for four years will be awarded. This competition emphasizes the provision of system and services that deliver high levels of performance for many different types of science and engineering applications while also introducing significant innovation which will expand the value of HPC to the science and engineering community. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

3/9/2011 Full Proposal

George E Brown Jr Network for Earthquake Engineering Simulation Research (NEESR)

National Science Foundation, Engineering (ENG)


Contact: Joy Pauschke, 703/292-7024, jpauschk@nsf.gov

Solicitation number: NSF 11-512

The NSF invites proposals for research that uses the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES) to advance knowledge, discovery, and innovation for (1) earthquake and tsunami loss reduction of our nation’s civil infrastructure, and (2) new experimental simulation techniques and instrumentation for NEES. Projects proposed and supported under this solicitation must require significant use of one or more of the NEES equipment sites listed at http://www.nees.org and the related cyberinfrastructure and/or require significant reuse of data curated and archived in the NEES Project Warehouse at http://nees.org/warehouse. Support will range from $50K to $600K per year, for up to four years.
Innovative Technology Experiences for Students and Teachers (ITEST)

National Science Foundation, Education and Human Resources (EHR)


Contact: 703/292-8628, DRLTEST@nsf.gov

Solicitation number: NSF 11-525

ITEST supports the development, implementation, testing, and scale-up of implementation models. It also supports research studies to address questions that point to solutions for building a strong, competent STEM workforce. ITEST projects must include students and may include teachers. The target audience is kindergarten through high school age, and projects may focus on any content area related to the STEM workforce. ITEST is placing emphasis on proposals to design and implement robotics competitions, and to study their effectiveness as a means of engaging students in learning STEM content and 21st Century skills. Three types of projects are invited: Scale-up projects implement and test models that prepare students for the STEM and information and communications technology (ICT) workforce of the future in a large-scale setting, such as at state or national level; Strategies projects are targeted at students and/or teachers and design, implement, and evaluate models for classroom, after-school, summer, virtual, and/or year-round learning experiences; and Research projects enrich the understanding of issues related to growing the STEM workforce.

Ethics Education in Science and Engineering (EESE) - Limited Submission

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 11-514

The Ethics Education in Science and Engineering (EESE) program funds research and educational projects that improve ethics education in all fields of science and engineering that NSF supports, with priority consideration given to interdisciplinary, inter-institutional, and international contexts. Although the primary focus is on improving ethics education for graduate students in NSF-funded fields, the proposed programs may benefit advanced undergraduates as well. EESE invites proposals for research projects, education projects, and combinations of the two. The maximum award amount is $300K for 36 months. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.

Petascale Computing Resource Allocations (PRAC)

National Science Foundation, Office of Cyberinfrastructure


Contact: Irene Qualters, 703/292-2339, iqualter@nsf.gov

Solicitation number: NSF 08-529

The purpose of this solicitation is to invite research groups that have a compelling science or engineering challenge that will require petascale computing resources to submit requests for allocations of resources on the Blue Waters system. Proposers must be prepared to demonstrate that they have a science or engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. Proposals from or including junior researchers are encouraged as one of the goals of this solicitation is to build a community capable of using petascale computing.
<table>
<thead>
<tr>
<th>Date</th>
<th>Type</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/21/2011</td>
<td>Full Proposal</td>
<td><strong>Cyber-Physical Systems (CPS)</strong></td>
<td>The CPS program seeks to establish bold new scientific foundations and engineering principles to conceptualize, design, analyze, implement, and certify cyber-physical systems. Two sizes of research and education proposals will be accepted. Medium Projects may span one or more CPS themes and must include two or more PIs and a research team of students and/or postdocs. Funding for Medium Projects will be provided at levels ranging from $300K to $500K per year for up to four years. Large Projects are multi-investigator and multi-university projects involving teams of researchers and their students and/or postdocs representing the multiple disciplines in computer science, engineering, and physical application domains, who together address a coherent set of research issues that either cut across multiple CPS themes or that explore in great depth a particular theme. Funding for Large Projects will be up to $1M per year for up to five years.</td>
</tr>
<tr>
<td>3/28/2011</td>
<td>Full Proposal</td>
<td><strong>Dimensions of Biodiversity</strong></td>
<td>This campaign seeks to characterize biodiversity on Earth by using integrative, innovative approaches to fill the most substantial gaps in our understanding of the diversity of life on Earth. It will take a broad view of biodiversity, and in its initial phase will focus on the integration of genetic, taxonomic, and functional dimensions of biodiversity. Successful proposals should integrate these three dimensions to understand interactions and feedbacks among them. While this focus complements several core NSF programs, it differs by requiring that multiple dimensions of biodiversity be addressed simultaneously, in innovative or novel ways, to understand their synergistic roles in critical ecological and evolutionary processes. Research awards will be up to five years duration and up to a total of $2M for individual or collaborative projects.</td>
</tr>
<tr>
<td>3/30/2011</td>
<td>Application</td>
<td><strong>US-China Collaborative Research in Advanced Sensors and Bio-inspired Technology (ASBIT) Opportunity</strong></td>
<td>The NSF and the National Natural Science Foundation of China (NSFC) jointly seek to enhance opportunities for collaborative activity between US and Chinese investigators and intend to jointly support transformative, cross-disciplinary, collaborative research on Advanced Sensors and Bio-Inspired Technologies (ASBIT). For the support of the US portion of the collaborative research, requests for supplemental funding to existing NSF grants will be accepted by the Civil, Mechanical and Manufacturing Innovation and/or Chemical, Bioengineering, Environmental, and Transport Systems Divisions of NSF's Directorate for Engineering.</td>
</tr>
<tr>
<td>3/31/2011</td>
<td>Full Proposal</td>
<td><strong>Research Initiation Grants in Engineering Education (RIGEE)</strong></td>
<td>This program enables engineering faculty who are renowned for teaching, mentoring, or leading educational reform efforts on their campus to initiate collaborations with colleagues in the learning and cognitive sciences to address difficult, boundary-spanning problems in how we educate engineers. It is expected that 20 awards of approximately $150K will be made.</td>
</tr>
</tbody>
</table>

---

**Contact:** Varies with research interest

**Solicitation number:** NSF 11-516

**Solicitation number:** NSF 11-518

**Solicitation number:** NSF 11-024

**Solicitation number:** NSF 11-507

---

**National Science Foundation, Cross-Directorate**


**National Science Foundation, Engineering (ENG)**


**National Science Foundation, Engineering (ENG)**


---

**Proposal Initiation Date:** 3/26/2011

**Full Proposal Due Date:** 3/28/2011

**Full Proposal Due Date:** 4/10/2011

**Full Proposal Due Date:** 4/25/2011

**Full Proposal Due Date:** 5/16/2011

**Full Proposal Due Date:** 5/31/2011
4/13/2011  Full Proposal

**Advancing Theory in Biology (ATB)**

National Science Foundation, Biological Sciences (BIO)


Contact: Varies with research interest

Solicitation number: NSF 11-523

This solicitation supports the development of new theoretical approaches that will improve our understanding of general biological principles that account for phenomena that occur independently across levels of biological organization. Awards will not exceed a total of $750K over a three-year period. This total includes all participants in collaborative projects.

---

4/15/2011  Full Proposal

**Integrative Paleoanthropology Grants (IPG)**

National Science Foundation

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503614

Contact: Kaye Reed, 703/292-7850, kreed@nsf.gov

Solicitation number:

The goal of the competition is to further innovative, integrative research to elucidate the principles which underlie hominin biological and behavioral evolution over deep time. The competition is intended to stimulate integrative research which crosses normal disciplinary and intellectual boundaries in original ways and this aspect is a central criterion and requirement of the competition. It is anticipated that a single award for up to $1M for up to five years in duration will be made.

---

4/29/2011  Full Proposal

**Fostering Interdisciplinary Research on Education (FIRE)**

National Science Foundation, Education and Human Resources (EHR)


Contact: Varies with research interest

Solicitation number: NSF 11-526

The FIRE program seeks to facilitate the process by which scholars can cross disciplinary boundaries to acquire the skills and knowledge that would improve their abilities to conduct rigorous research on STEM learning and education. Investigators must pair with a mentoring scholar in a to-be-learned field of interest. Awards are open to investigators who have received a doctoral degree in a disciplinary STEM field outside of education proper and wish to pursue research in learning and education, or who have received a doctoral degree from an educational research program and wish to complement their expertise with training in a disciplinary STEM field outside of education. Investigators may receive a FIRE award at any point in their post-graduate careers. The maximum award for FIRE projects is $400K, with duration of up to two years.

---

5/14/2011  INDP Projects Letter of Intent (required)

7/14/2011  INDP Projects Full Proposal

**Cyberlearning Transforming Education**

National Science Foundation, Cross-Directororate


Contact: Varies with research interest

Solicitation number: NSF 10-620

Cyberlearning awards will be made in three categories: Exploration Projects (EXP projects) explore the proof-of-concept or feasibility of a novel or innovative technology or use of such technology to promote learning; Design and Implementation Projects (DIP projects) will conduct research in the everyday environments in which people spend their lives, e.g., schools, homes, museums, parks, and the workplace; and Integration and Deployment Projects (INDP) will build on research that has already shown promise for promoting learning. The respective maximum funding amounts are $550K total for two to three years; $1.35M for four to five years; and up to $2.5M for up to five years.
Tectonics
National Science Foundation, Geosciences (GEO)
Contact: David Fountain, 703/292-4751, dfountai@nsf.gov
Solicitation number: NSF 09-542
The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the formation, evolution, and deformation of continental lithosphere through time. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, Tectonics supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetics, geodesy, and other geophysical techniques.

Petrology and Geochemistry
National Science Foundation, Geosciences (GEO)
Contact: Sonia Esperanca, 703/292-8554, sesperan@nsf.gov
Solicitation number: NSF 09-543
This program supports basic research that addresses the formation and evolution of our planet using petrological and geochemical characteristics of Earth materials in the crust, mantle, and core. Proposals generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks (including mantle samples), mineral physics, economic geology, and volcanology.

Opportunities for Promoting Understanding through Synthesis (OPUS)
National Science Foundation, Biological Sciences (BIO)
Contact: Varies with research interest
Solicitation number: NSF 10-557
This FOA encourages the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight, useful both to the scientific community and to the development of the investigator’s future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis. It is estimated that six to eight awards will be made annually, and the anticipated award size is $125K to $150K.

Long Term Research in Environmental Biology (LTREB)
National Science Foundation, Biological Sciences (BIO)
Contact: Varies with research interest
Solicitation number: NSF 10-558
This FOA encourages the submission of proposals that generate extended time series of biological and environmental data to address ecological and evolutionary processes and resolve important issues in organismal and environmental biology. Researchers must have collected at least six years of previous data to qualify for funding, and these data must motivate the proposed research. The proposal also must present a cohesive conceptual rationale or framework for ten years of research.
8/1/2011    Full Proposal

Science, Technology, and Society (STS)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Frederick Kronz, 703/292-7283, fkronz@nsf.gov
Solicitation number: NSF 08-553

STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. STS has four components: Ethics and values in Science, Engineering and Technology; History and Philosophy of Science, Engineering and Technology; Social Studies of Science, Engineering and Technology; and Studies of Policy, Science, Engineering and Technology. STS encourages the submission of hybrid proposals that strive to integrate research involving two or more of these core areas.

12/31/2011    Ongoing

NSF-FDA Scholar-in-Residence at FDA
National Science Foundation
Contact: Leon Esterowitz, 703/292-7942, lesterow@nsf.gov
Solicitation number: NSF 10-533

This program comprises an interagency partnership for the investigation of scientific and engineering issues concerning emerging trends in medical device technology. This partnership is designed to enable investigators in science, engineering, and mathematics to develop research collaborations within the intramural research environment at the FDA. This solicitation features four flexible mechanisms for support of research at the FDA: 1) Faculty at FDA; 2) Graduate Student Fellowships; 3) Postdoctoral Fellowships; and 4) Undergraduate Student Research Experiences. Approximately three to ten awards will be given, with an estimated program budget of $500K.

12/31/2011    Ongoing

Grant Opportunities for Academic Liaison with Industry (GOALI)
National Science Foundation
Contact: Varies with research interest
Solicitation number: NSF 10-580

GOALI promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; Industrial scientists and engineers to bring industry’s perspective and integrative skills to academe; and Interdisciplinary university-industry teams to conduct research projects. Each directorate handles GOALI requests differently. Proposers must contact a specific program director in the disciplinary area of the proposed research for guidance on proposal submission.

12/31/2011    Ongoing

Research Experiences for Teachers (RET) in Engineering and Computer Science Supplements
National Science Foundation, Computer and Information Sciences and Engineering (CISE), Engineering (ENG)
Contact: Varies with research interest
Solicitation number: NSF 11-509

The Research Experiences for Teachers (RET) in Engineering and Computer Science program encourages the active participation of both in-service and pre-service K-12 science, technology, engineering, computer science and mathematics (STEM) teachers and community college faculty in ongoing NSF supported engineering and computer science research. A request for funding of a RET in Engineering and Computer Science supplement should be made under an existing NSF ENG or CISE award or within a proposal for a new or renewed NSF ENG or CISE award. The description of the RET activity must clearly articulate in some detail the form and nature of the prospective K-12 STEM teacher and/or community college faculty member's involvement in the Principal Investigator’s ongoing or proposed research. Supplements are limited to a maximum of $10K per teacher for a duration of one year subject to the availability of funds.
Research Initiation Grants to Broaden Participation in Biology (RIG BP)

National Science Foundation, Biological Sciences (BIO)


Contact: Varies with research interest

Solicitation number: NSF 09-501

These grants are intended to increase the diversity of researchers who apply for and receive BIO funding to initiate research programs early in their careers. RIG awards are for beginning investigators to undertake activities, such as acquisition of preliminary data or development of collaborations, that will lead to formulation of competitive grant applications to NSF at the conclusion of the RIG award. Applicants must: present a plan that shows how the proposed activities will increase the participation of scientists from under-represented groups; be in their first academic appointment as a faculty member other than a postdoctoral appointment; and have not previously served as PI on an independent federal research grant (not including dissertation awards or graduate and postdoc fellowships). Grants fund $175K in total costs for two years with up to an additional $25K for equipment.

Virtual Organizations as Sociotechnical Systems (VOSS)

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 11-501

The VOSS program supports fundamental scientific research, particularly advances in social, organizational, and design science understanding, directed at advancing the understanding of how to develop virtual organizations and under what conditions virtual organizations can enable and enhance scientific, engineering, and education production and innovation. Award sizes are expected to range from $50K to $400K in total costs for the period of the grant with durations up to three years.

Algorithms for Threat Detection (ATD)

National Science Foundation, Mathematical and Physical Sciences (MPS)


Contact: Mary Ann Horn, 703/292-4879, mhorn@nsf.gov

Solicitation number: NSF 10-540

This program solicits proposals from the mathematical sciences community to develop algorithms for the detection of biological and chemical threats in two main areas: mathematical and statistical techniques for genomics and mathematical and statistical techniques for the analysis of data from sensor systems. There will be an estimated 15 to 30 awards.

Pan-American Advanced Studies Institutes Program

National Science Foundation, Cross-Directorate


Contact: Harold Stolberg, 703/292-8706, hstolber@nsf.gov

Solicitation number: NSF 10-517

PASIs aim to disseminate advanced scientific and engineering knowledge and stimulate training and cooperation among researchers of the Americas in the mathematical, physical, and biological sciences, the geosciences, the computer and information sciences, and the engineering fields through short courses. Lead investigators must consult with the PASI program before proposal submission. Whenever feasible, an interdisciplinary approach is recommended.
2/28/2011 Full Proposal
4/29/2011 Full Proposal
6/30/2011 Full Proposal

**Research Conference Grant and Cooperative Agreement Program**

Nuclear Regulatory Commission
http://www.grants.gov/search/search.do?mode=VIEW&oppId=52881

Contact: Robin Barnes, 301/251-7401, Robin.Barnes@nrc.gov

Solicitation number: CGR-FN-0110-RES

NRC will consider applications that support high quality conferences or scientific meetings that are relevant to the mission of the NRC. A conference or scientific meeting is defined as an open gathering, symposium, seminar, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or explore or clarify a defined subject, problem, or area of knowledge. Award amounts in prior years ranged from $5K to $120K.

### Private/Nonprofit Agencies

<table>
<thead>
<tr>
<th>Date</th>
<th>Application Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/7/2011</td>
<td>Letter of Proposal (required)</td>
</tr>
<tr>
<td>5/2/2011</td>
<td>Application (by invitation only)</td>
</tr>
</tbody>
</table>

**Research Grants and Young Investigator Grants**

North American Spine Society

Contact: Karen James, 630/230-3691, kjames@spine.org

Solicitation number: General NASS research grants provide funding for promising research projects by qualified investigators in the field of spine. One to two Young Investigator Grants may be awarded each year for applicants within five years of their post-doc training. It is recommended that approved grant budgets not exceed $50K per year for both types of grants.

<table>
<thead>
<tr>
<th>Date</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/9/2011</td>
<td>Application</td>
</tr>
</tbody>
</table>

**AAF Research Program**

American Asthma Foundation
http://www.americanasthmafoundation.org/grants/description-awards

Contact: Valerie Dougherty, 415/514-0730, vdougherty@americanasthma.org

Solicitation number: AAF is particularly interested in attracting investigators from outside the field to apply their expertise to the study of asthma. Prior research in asthma is not required. Investigators from within the field are eligible for awards, but they must demonstrate that their proposed work represents a departure from their current and past research. Innovation and risk are strongly encouraged. The Program supports basic research at two levels: Senior Investigator Awards, which target applicants who usually hold a full-time academic appointment, have well-established research programs, and possess an international reputation for research; and Early Excellence Awards, which target applicants who usually hold a full-time academic appointment as Assistant Professor and have already established an independent research program. Their respective award amounts are $250K per year for three years and $150K per year for three years.

<table>
<thead>
<tr>
<th>Date</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/15/2011</td>
<td>Application</td>
</tr>
</tbody>
</table>

**Young Investigator Grant for Probiotics Research**

Probiotics Research Grant Program
http://www.probioticsresearch.com/grantprogram.asp

Contact: 703/841-1600, gpc@ProbioticsResearch.com

Solicitation number: The purpose of these grants is to contribute to the advancement of probiotics and gastrointestinal microbiota research in the United States. The research focus for 2011 is on the role of probiotics and gastrointestinal microbiota in health and wellness. Young investigators who are senior fellows with a committed faculty appointment or early faculty members within five consecutive years of their first faculty appointment in the US are eligible to apply. The annual grant amount is $50K per grant recipient with no more than 10% of this amount dedicated to overhead costs. Two grants will be funded per year.
2/15/2011 Application

**Leukemia Research Foundation Research Grants**

Leukemia Research Foundation


Contact: Linda Kabot, linda@LRFmail.org

Solicitation number:

The Leukemia Research Foundation currently funds New Investigator grants only. Preference given to proposals that focus on leukemia, lymphoma, and Myelodysplastic Syndrome (MDS). New Investigators are considered to be within seven years of their first independent position. The award amount is up to $100K for one year.

2/15/2011 Letter of Intent (required)

3/31/2011 Proposal

**International Teams in Space Science (including Geosciences)**

International Space Science Institute


Contact: Maurizio Falanga, +41 31 631 4893

Solicitation number:

This Call invites proposals for study projects from International Teams. Teams are one of the ISSI tools through which relatively small groups of scientists involved in Space Research can work together in an efficient and flexible format of several subsequent meetings, during which data are analysed and compared with theories and models. This call is open to scientists of any nationality, and active in research in: 1) Space Sciences (Solar and Heliospheric Physics, Solar-Terrestrial Sciences, Space Plasma and Magnetospheric Physics, Planetary Sciences, Astrobiology, Cosmology, Astrophysics, and Fundamental Physics in Space) and 2) Earth sciences using space data.

2/18/2011 Application Deadline

**Fermi National Accelerator Laboratory Visiting Scholars Program**

Universities Research Association


Contact: 630/840-3111, URA-SCHOLARS-PROGRAM@fnal.gov

Solicitation number:

This program supports visits by researchers from Universities Research Association institutions to work at Fermilab for periods of up to one year. Researchers are defined as students, postdocs, or faculty doing research in areas such as high energy physics experiments, astrophysics, theory, accelerator physics, materials science, and computer science, related to the Fermilab mission. Visits can range from attendance at conferences and summer schools to year-long stays. Support provided by the program may include transportation costs, local lodging expenses during a series of short visits, or salary support during an extended visit. Individual awards may be up to a maximum of $50K in any twelve-month period.

2/22/2011 Agency Preliminary Proposal

**Program in the Neuroimmunology of Brain Cancers and Infections - Limited Submission**

The Dana Foundation


Contact: 212/223-4040, grantsinfo@dana.org

Solicitation number:

The Dana Foundation is interested in proposals for its Neuroimmunology program, focusing on brain cancers and infections. Specifically, the Foundation is inviting studies of 1) immune-based therapies for primary brain tumors, and for metastases to the brain of other cancers; 2) immune responses to infections in the brain, including but not limited to viral encephalitis, meningitis, cerebral malaria, and prion diseases; and 3) how immune functions are carried out and modified in the brain. Individual grants will total up to $200K over three years. Emphasis is placed on providing support to faculty tenure track researchers who are early in their career, at the assistant professor level, or early in their associate professor career. The Office of Research has not received any campus notice of intent. Please contact funding@research.ucsb.edu if you are interested in submitting to this program.
The Foundation supports efforts to ensure fundamental rights and opportunities for people in need. The three program areas are: Criminal and Juvenile Justice, which seeks out grantees with strategies to lower rates of incarceration and decrease prison populations; Health Reform, which seeks to ensure that the voice of the consumer is heard on health reform; and Workers’ Rights, which supports organizations that are trying to improve the lives of working people.

These grants are for research in Native American linguistics, ethnohistory, and the history of studies of Native Americans, in the continental United States and Canada. Grants are not made for projects in archaeology, ethnography, psycholinguistics, or for the preparation of pedagogical materials. The committee distinguishes ethnohistory from contemporary ethnography as the study of cultures and culture change through time. The grants are intended for such costs as travel, tapes, films, and consultants' fees but not for the purchase of books or permanent equipment. The committee prefers to support the work of younger scholars who have received the doctorate. Applications are also accepted from graduate students for research on masters theses or doctoral dissertations. The average award is about $2,500; grants do not exceed $3,500.

Grants are made for scholarly exhibitions at museums; curatorial research; visual arts programming at artist-centered organizations; artist residencies and commissions; arts writing; and efforts to promote the health, welfare and first amendment rights of artists. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

This award supports accomplished assistant professors undertaking their first independent investigations in cancer immunology or general immunology. A four-year grant, the award provides flexibility and a degree of stability during this very challenging period. Candidates must hold a doctoral degree and be a tenure-track Assistant Professor at the time of the award activation. CRI provides at least one Investigator Award per round for projects with high relevance to cancer immunology, and applicants must indicate whether they wish to be considered for this specific category. The Investigator Award provides $50K per year for four years.
3/1/2011 Application

**Wayne F. Placek Grants**

American Psychological Foundation


Contact: Kim Rowsome, krowsome@apa.org

Solicitation number:

These grants encourage research to increase the general public's understanding of homosexuality and sexual orientation, and to alleviate the stress that lesbian women, gay men, bisexual men and women, and transgendered people experience in this and future civilizations. Research is encouraged that addresses: heterosexuals' attitudes and behaviors toward lesbian, gay, bisexual, and transgendered (LGBT) people; family and workplace issues relevant to LGBT people; and special concerns of sectors of the LGBT population that have historically been underrepresented in scientific research. Two $15K grants are available annually. Graduate students and early career researchers are encouraged to apply.

---

3/1/2011 Letter of Inquiry (required)

**Creative Capital Grants**

Creative Capital


Contact: 212/598-9900, connect@creative-capital.org

Solicitation number:

Creative Capital is interested in artists who demonstrate bold, inventive, and singular ideas in project form and content, are deeply engaged with and rigorously committed to their art form, have potential for significant artistic and cultural impact, and understand the professional landscape of their field. To be eligible, an artist must be a U.S. citizen or permanent legal resident, at least 25 years old, and a working artist with at least five years of professional experience. This year, Creative Capital will support approximately 23 projects in Film/Video and 23 projects in Visual Arts at initial levels of $10K each. Including follow-up monetary support, a project may receive as much as $50K in direct financial support during the life cycle of the award, with the average amount closer to $35K.

---

3/1/2011 Letter of Interest

**Research Opportunities**

Interactivity Foundation

[http://www.interactivityfoundation.org/classroom-discussions/research-opportunities](http://www.interactivityfoundation.org/classroom-discussions/research-opportunities)

Contact: 304/424-3605, if@citynet.net

Solicitation number:

The Foundation is interested in working with faculty on research projects that address the specific areas of interest: Public deliberation (especially as it applies to the discussion process developed by the Interactivity Foundation); Pedagogical research concerning the effectiveness of student-centered teaching approaches; and Citizen engagement with complex policy issues. It is expected that projects will be supported in the $5K to $25K range. The maximum project period is one year.

---

3/9/2011 Full Proposal

**AERA Research Grants**

American Educational Research Association (AERA)

[http://www.aera.net/grantsprogram/res_training/res_grants/RGFly.html](http://www.aera.net/grantsprogram/res_training/res_grants/RGFly.html)

Contact: grantsprogram@aera.net

Solicitation number:

AERA invites education-related research proposals using NCES, NSF, and other federal data bases. Applications are encouraged from a variety of disciplines, such as but not limited to, education, sociology, economics, psychology, demography, statistics, and psychometrics. Applicants are encouraged to submit proposals that: develop or benefit from new quantitative measures or methodological approaches for addressing education issues; include interdisciplinary teams with subject matter expertise, especially when studying science, technology, engineering and mathematics (STEM) learning; analyze TIMSS, PISA, or other international data resources; and include the integration and analysis of more than one data set. Awards are up to $20K for one-year projects, or up to $35K for two-year projects.
Healthy Eating Research
Robert Wood Johnson Foundation
Contact: Varies with research interest
Solicitation number:
This call for proposals is for three types of awards aimed at providing key decision- and policy-makers with evidence to reverse the childhood obesity epidemic. The three award types are: Round 6 grants, rapid-response grants, and RWJF New Connections grants. Round 6 grants will award up to $170K for a 12- to 24-month funding period. Rapid-Response Grants support time-sensitive and opportunistic studies on emerging or anticipated changes in food-related policies or environments that can be conducted only during a short window of opportunity and are needed to inform policy debates for local, state, or national action. The maximum award amount is $150K for up to 18 months. New Connections Grants are for new investigators who are from a group that has been historically disadvantaged or underrepresented in research disciplines supported by this Foundation. The maximum award amount is $75K for 12 to 24 months.

Avon Breast Cancer Research Program
Avon Foundation for Women
http://www.avonfoundation.org/breast-cancer-crusade/breast-cancer-research-program-guidelines.html
Contact: Marc Hurlbert, 212/282-5560, marc.hurlbert@avonfoundation.org
Solicitation number:
The Avon Foundation for Women continues to seek new preventive strategies to address the growing number of breast cancer cases around the globe. To develop new strategies to prevent breast cancer we need to understand the causes of breast cancer in women, changes in breast cells that give rise to cancer, markers for disease, and how breast cancer progresses. The 2011 Avon Foundation Research Program seeks proposals in these areas to advance understanding of causes of breast cancer and prevention. Proposals may request up to $150K total costs per year, for up to two years in duration. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Documentary Photography Audience Engagement Grant
Open Society Foundations
Contact: Yukiko Yamagata, 1-212-548-0369, yyamagata@sorosny.org
Solicitation number:
This grant supports photographers to take an existing body of work on a social justice or human rights issue and devise an innovative way of using that work as a catalyst for social change. The foundation is interested in well-designed projects that inspire audiences visually and create meaningful interactions with photographic content. Projects should combine existing bodies of work with programming or tools that give viewers a deeper, more nuanced understanding of issues and empower them to participate in the process of improving their own or others’ realities. Projects should also include a partnership between a photographer and an organization that combines expertise in documentary photography with experience working on the topic or community the project addresses. Five to eight grants of $5K to $30K will be awarded.
**McDonnell Research Awards**

James S. McDonnell Foundation

[http://www.jsmf.org/apply/research/index.htm](http://www.jsmf.org/apply/research/index.htm)

Contact: 314/721-1532

Solicitation number:

Research Awards are designed to support research projects related to Studying Complex Systems or Brain Cancer Research. Projects submitted for funding consideration should be at an early, even preliminary stage of development, and should be intended to break new ground or to revisit commonly-held assumptions. Projects submitted should be sufficiently cross-disciplinary or heterodox to have a strong likelihood of influencing the development of new ways of thinking about important problems. A maximum of $450K total costs can be requested and the funds can be expended over three to six years. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

---

**Marie Curie International Research Staff Exchange Scheme**

European Commission


Contact: Varies with research interest

Solicitation number: FP7-PEOPLE-2011-IRSES

The Marie Curie International Research Staff Exchange Scheme aims at strengthening research partnerships through short period staff exchanges and networking activities between European research organisations and other countries. A partnership in this action shall be composed of at least two independent partners established in at least two different EU Member States or Associated countries, and one or more research organisation(s) located either in countries with which the EU has an S&T Agreement or in other third countries covered by the European Neighbourhood Policy. All domains of research and technological development addressed under the EU Treaty are eligible for funding. A staff exchange programme can apply for Union support for a period of 24-48 months.

---

**IRSF Translational Research Program**

International Rett Syndrome Foundation

[http://www.rettsyndrome.org/research/for-scientists/grant-opportunities.html](http://www.rettsyndrome.org/research/for-scientists/grant-opportunities.html)

Contact: 1-800-818-7388

Solicitation number:

HeART & ANGEL grant awards are provided for early and late stage translational research efforts to treat and reverse RTT. The HeART Award (Help Accelerate Rett Therapeutics) provides seed funding for early stage drug discovery and development efforts and offers $50K for a maximum of one year. The ANGEL Award (Advanced Neurotherapeutic Grants of Excellence) provides funding for the later stages of translational research and offers $300K per year for up to two years. ANGEL applications may be proposed on a rolling basis year round and proposals must be comprised of very specific programs focused on pre-clinical drug discovery and development or clinical testing of therapeutic candidates.

---

**Brady Education Foundation Grants**

Brady Education Foundation


Contact: info@bradyeducationfoundation.org

Solicitation number:

The Foundation funds two types of education projects: 1) evaluations of existing model programs and 2) innovative research on model development, including both efficacy and effectiveness studies. The Foundation favors projects that bring researchers and service providers together to prove and improve the effectiveness of early care and education environments for at-risk children, projects that leverage other funds, projects with the potential to inform or guide policy or funding decisions, and projects that structure time for researchers/evaluators and program providers to collaborate. There is a two-stage application process, and the stage 2 application is by invitation only. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
3/31/2011 Letter of Intent (required)

**HFSP Research Grants**
Human Frontier Science Program (HFSP)
[http://www.hfsp.org/how/appl_forms_RG.php](http://www.hfsp.org/how/appl_forms_RG.php)
Contact: grant@hfsp.org
Solicitation number:
This program supports innovative basic research into fundamental biological problems with emphasis placed on novel and interdisciplinary approaches that involve scientific exchanges across national and disciplinary boundaries. Projects must be innovative interdisciplinary approach, and international. Two kinds of research grants are available for award in 2012, the Young Investigators’ Grants and Program Grants. All members of a Young Investigators’ grant team must be within five years of obtaining an independent position and must have obtained their PhD not longer than 10 years before the deadline. For both grants, teams will receive up to $450K per year for three years.

4/4/2011 Full Proposal

**SFARI Grants**
The Simons Foundation
Contact: 800/875-2562, grants@simonsfoundation.org
Solicitation number:
The Simons Foundation Autism Research Initiative (SFARI) funds research related to the diagnosis and treatment of autism spectrum disorders. The following applications will be considered: SFARI Pilot Awards provide resources to support exploratory experiments that will strengthen hypotheses, lead to the formulation of competitive applications for subsequent larger-scale funding, and are recommended to investigators who are new to the field of autism; SFARI Individual Awards provide resources to support compelling high-impact research performed by single laboratories; and SFARI Project Awards provide resources for multiple independent labs to work on an experimental hypothesis for which preliminary data have already been gathered and the expertise of the collaborators in the field has already been proven. The respective maximum award amounts are $125K per year for up to two years, $350K per year for up to three years, and $1M per year for three years. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

4/15/2011 Full Proposal
9/15/2011 Full Proposal

**MacDowell Fellowships**
The MacDowell Colony
Contact: 603/924-3886, admissions@macdowellcolony.org
Solicitation number:
A MacDowell Fellowship provides time, space, and an inspiring environment for artists and consists of exclusive use of a studio, accommodations, and meals for up to eight weeks. The Colony accepts applications from artists working in the following disciplines: architecture, film/video arts, interdisciplinary arts, literature, music composition, theatre, and visual arts. The sole criterion for acceptance is artistic excellence.

4/22/2011 Full Proposal

**Grants**
USArtists International
Contact: Sara Nash, 410/539-6656 ext. 113, saran@midatlanticarts.org
Solicitation number:
USAI is committed to ensuring that the impressive range of the performing arts in the US is represented abroad, and that American artists can enhance their creative and professional development through participation at international festivals. Grants are available to American dance, music, and theater ensembles and solo performers that have been invited to perform at international festivals and for engagements that represent extraordinary career opportunities anywhere in the world outside of the US. Grant amounts generally range from $1K to $10K and will not exceed $15K.
Bradley Foundation Grants
The Bradley Foundation
http://www.bradleyfdn.org/grantmaking_policies.asp
Contact: 414/291-9915
Solicitation number:
The Foundation encourages projects that focus on cultivating a renewed, healthier, and more vigorous sense of citizenship among the American people, and among peoples of other nations, as well. Applicants must submit a letter of inquiry prior to submitting a full proposal. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

American Institute for Cancer Research Grant Program
American Institute for Cancer Research
http://www.aicr.org/site/PageServer?pagename=research_funded_grant_application
Contact: 202/328-7744, research@aicr.org
Solicitation number:
This program is dedicated to funding research on cancer prevention, treatment, and survival through food, nutrition, physical activity, and weight management. Investigator-initiated grants are generally made for a two-year term for a maximum of $150K.

Anneliese Maier Research Award
Alexander von Humoldt Foundation
http://www.humboldt-foundation.de/pls/web/docs/F31090/programme_information.pdf
Contact: info@avh.de
Solicitation number:
Up to five awards will be funded to outstanding researchers in all fields of the humanities, social science, cultural science, law, and economics to promote research collaboration with specialist colleagues in Germany, contributing towards the further internationalism of the humanities and social sciences in Germany. The award amount is generally EUR 250K and is made available over a period of five years to finance research collaboration with specialist colleagues in Germany. The nomination must come from an established scholar who is employed with a university or another research institution in Germany. Self-nominations are not possible.

General Research Awards
American Diabetes Association
Contact: Magda Galindo, 703/549-1500, ext. 2362, grantquestions@diabetes.org
Solicitation number:
The Basic Science Award provides grant support to both new and established investigators. Applications will be considered in any area that is relevant to the etiology or pathophysiology of diabetes and its complications. Awards are up to $115K per year for a maximum of three years. Up to 20% of total costs for PI salary support and up to 15% for indirect costs may be requested. The Innovation Award is designed to support novel hypotheses that may lack preliminary data, but offer considerable promise for the cure, prevention, or treatment of diabetes. Awards are up to $50K per year for two years. No indirect costs may be requested.
Development Awards
American Diabetes Association
Contact: Magda Galindo, 703/549-1500, ext. 2362, grantquestions@diabetes.org
Solicitation number:
The Junior Faculty Award supports new investigators who are establishing their independence in diabetes research. Applicants can have any level of faculty appointment up through assistant professor. Awards are up to $120K per year for up to three years for direct costs, plus 15% allowable indirect costs. The Career Development Award is designed to assist outstanding Assistant Professor level faculty investigators in conducting diabetes-related research. Awards are for $150K per year for up to five years, plus 15% allowable indirect costs.

Leakey Research Grants
The Leakey Foundation
http://leakeyfoundation.org/grants/overview/general_grants_overview/
Contact: 415/561-4646, grants@leakeyfoundation.org
Solicitation number:
The Foundation funds research related specifically to human origins, including paleoanthropology, primate behavior, and studies of modern hunter-gatherer groups. Advanced doctoral students (advanced to candidacy) and established scientists are eligible for general research grants. The majority of the Foundation’s Research Grants to doctoral students are in the $3K to $13.5K range. Larger grants, especially to senior scientists and post-doctoral students, may be funded up to $22K. Priority of funding is commonly given to exploratory phases of promising new research projects that meet the stated purpose of the Foundation. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ecological Innovation Grants
Nathan Cummings Foundation
http://www.nathancummings.org/enviro/index.html
Contact: 212/787-7300, enviro@nathancummings.org
Solicitation number:
The foundation seeks to fund proposals that address the challenges of climate change and promote vibrant and sustainable ecological systems that support healthy communities and a just economy through alliance building and institutional accountability. Funding priority will be given to projects with the potential of having state, multi-state, or national impacts. Letters of Inquiry are required and are accepted at all times of the year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

IRSF Basic Research Grant Program
International Rett Syndrome Foundation
http://www.rettsyndrome.org/research/for-scientists/grant-opportunities.html
Contact: 800/818-7388
Solicitation number:
These grant awards are meant to provide seed money for research that encompasses innovative therapeutic approaches and cutting-edge diagnostic techniques that will lead to follow-on funding. The Regular Research Grant is designed to assist investigators in establishing hypotheses relevant to Rett syndrome research and in obtaining future funding from other agencies. The Post-doctoral Fellowship is designed to assist post-doctoral researchers in establishing careers in fields relevant to Rett syndrome research. Post-doctoral applicants are required to have a sponsoring mentor. The maximum funding level for both Regular Research Grants and Post-doctoral Fellowships is $100K over two years.
12/31/2011 Ongoing

**Surdna Foundation Grants**

Surdna Foundation

http://www.surdna.org/what-we-fund/funding-overview.html

Contact: 212/557-0010, questionals@surdna.org

Solicitation number:

The Surdna Foundation fosters just and sustainable communities by making grants in the areas of: Sustainable Environments, with the goal of creating just and sustainable communities where consumption and conservation are balanced and innovative solutions to environmental problems improve people’s lives; Strong Local Economies, with the objective of providing early support for communities that seek to increase access to opportunity for all residents to build their wealth in a sustainable manner; and Thriving Cultures, with the purpose of strengthening both individual and institutional cultural assets, contributing to vibrant communities. Organizations are eligible for a maximum of three consecutive years of funding. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

12/31/2011 Ongoing

**Smith Richardson Foundation Grants**

Smith Richardson Foundation

http://www.srf.org/grants/guideline.php

Contact: Varies with research interest

Solicitation number:

The two principal grant-making programs are: the International Security and Foreign Policy Program, with the objective of assisting the U.S. policy community in developing effective national security strategies and foreign policies, and the Domestic Public Policy Program, which supports projects that will help the public and policy makers understand and address critical challenges facing the United States. Requests for grants of $50K or less are reviewed on an ongoing basis. Requests for grants greater than $50K and for multi-year grant support are made at regular board meetings. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

12/31/2011 Ongoing

**Collaborative Linkage Grant (SPS CLG)**

North Atlantic Treaty Organization (NATO)

http://www.nato.int/science/nato_funded_activities/grant_mechanisms/clg-nfa.htm

Contact: Varies with research interest name

Solicitation number:

CLGs offer assistance to teams to collaborate on research projects. The collaboration must be between scientists in NATO countries and those in eligible Partner or Mediterranean Dialogue countries. The grants support travel and living expenses of investigators for short visits to partner institutions abroad. Support for CLGs ranges from funding for two or three scientists to visit one another’s laboratories over a period of one year, to a maximum of five research teams involving a maximum of five people per team to collaborate over a two-year period. Amounts awarded are normally between €5K for one year of collaboration for two or three scientists, or a maximum of €23K for two years’ collaboration for five research teams.

12/31/2011 Ongoing

**Major Grants**

Spencer Foundation

http://www.spencer.org/content.cfm/how-to-apply-to-areas-of-inquiry

Contact: Annie Brinkman, 312/274-6511, abrinkman@spencer.org

Solicitation number:

The Foundation is committed to supporting high-quality investigation of education. The Foundation makes grants in four specific areas of inquiry: Education and Social Opportunity; Organizational Learning; Teaching, Learning, and Instructional Resources; and Purposes and Values of Education. In addition to these defined areas, the Foundation will continue to accept Field-Initiated Proposals. Major Grants have a budget of over $40K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
12/31/2011  Ongoing Letter of Inquiry

**PepsiCo Grants**

PepsiCo

[http://www.pepsico.com/Purpose/PepsiCo-Contributions/Grants.html](http://www.pepsico.com/Purpose/PepsiCo-Contributions/Grants.html)

**Contact:** 914/253-2000

**Solicitation number:**

PepsiCo is committed to advancing objectives related to education, health and wellness, diversity and inclusion, and thought leadership. In advancing these objectives, PepsiCo provides support to approved organizations on an equal-access basis. Applicants seeking a grant for less than $100K must first submit a brief Letter of Interest. Requests are evaluated on a rolling basis.

12/31/2011  Ongoing Letter of Inquiry

**Asia Responsive Grants**

Henry Luce Foundation

[http://www.hluce.org/asiarespongrant.aspx](http://www.hluce.org/asiarespongrant.aspx)

**Contact:** 212/489-7700, hlf1@hluce.org

**Solicitation number:**

These grants provide opportunities to improve understanding between the United States and the Asia-Pacific region. They typically support research, create new scholarly and public resources, or promote the exchange of ideas and information between Americans and Asians. These grants are limited to work in the humanities and social sciences concerned with Northeast and Southeast Asia, typically for longer-term programs or projects that respond to the needs and priorities of the Asian studies field and benefit a wide range of scholars and institutions. Requests for funding may be submitted at any time during the year, beginning with a brief letter of inquiry. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

12/31/2011  Ongoing

**Visual Arts Grants**

The Elizabeth Greenshields Foundation

[http://www.elizabethgreenshieldsfoundation.org/main.html](http://www.elizabethgreenshieldsfoundation.org/main.html)

**Contact:** 514/937-9225, greenshields@bellnet.ca

**Solicitation number:**

The purpose of the Foundation is to aid artists in the early stages of their careers. Awards are limited to candidates working in the following: painting, drawing, printmaking, and sculpture. Applicants must have started or completed art school training or must demonstrate, through past work and future plans, a commitment to making art a lifetime career. Funds may be used for any art-related purpose: study, travel, studio-rental, purchase of materials, etc. The award amount is $12.5K in Canadian dollars. Applications are accepted on an ongoing basis.

12/31/2011  Ongoing

**Mellon Foundation Grants**

The Andrew W. Mellon Foundation

[http://www.mellon.org/grant_programs/programs](http://www.mellon.org/grant_programs/programs)

**Contact:** Varies with research interest

**Solicitation number:**

The Foundation supports grantees within five defined program areas: Higher Education and Scholarship; Scholarly Communications and Information Technology; Museums and Art Conservation; Performing Arts; and Conservation and the Environment. The Foundation is committed to identifying the best ideas, and the ablest intellectual leaders in its areas of interest, as well as making certain that the leaders of the institutions that it supports are both exceptional and fully behind the proposed work. Funding varies with project scope and interested researchers are asked to submit letters of inquiry to the appropriate program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
**Committee for Research and Exploration Grant**

National Geographic Society


Contact: cre@ngs.org

Solicitation number:

The National Geographic Society awards grants for scientific field research and exploration with both a geographical dimension and relevance to other scientific fields. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. The committee is emphasizing multidisciplinary projects that address environmental issues. Most grant amounts range from $15K to $20K and are given for one year's research. Approximately 250 grants are awarded per year.

**National Geographic Society Waitt Grants**

National Geographic Society


Contact: waitt@ngs.org

Solicitation number:

Grants are made for exploratory fieldwork that holds promise for new breakthroughs in the natural and social sciences. Applications are processed as they are received and awarded quickly to allow researchers to take advantage of immediate opportunities. About 100 grants of $5K to $15K are awarded annually.

**ArtsLink Projects**

CEC ArtsLink


Contact: 212/643-1985 x22, al@cecartslink.org

Solicitation number:

ArtsLink Projects provides support to US artists, curators, presenters and arts organizations undertaking projects in any of the 32 eligible countries. Applicants must be working with an artist or organization in that region and projects should be designed to benefit participants and audiences in both the US and the host country. In 2011, applications will be accepted from individual artists, presenters and non-profit arts organizations working in visual and media arts. In 2012, applications will be accepted from individual artists, curators and non-profit arts organizations working in dance, music, literature, and theater.

**UC and State of California**

<table>
<thead>
<tr>
<th>Date</th>
<th>Eligibility</th>
<th>Contact</th>
<th>Solicitation number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/7/2011</td>
<td>Full Proposal</td>
<td>Andrea Kaus, 951/827-3586, <a href="mailto:andrea.kaus@ucr.edu">andrea.kaus@ucr.edu</a></td>
<td>...</td>
</tr>
</tbody>
</table>

**UC MEXUS Small Grants**

UC Institute for Mexico and the United States (UC MEXUS)

[http://ucmexus.ucr.edu/funding/grant_small.html](http://ucmexus.ucr.edu/funding/grant_small.html)

Contact: Andrea Kaus, 951/827-3586, andrea.kaus@ucr.edu

Solicitation number:

Small grants support travel, short-term research, initial planning, or other special one-time needs related to the seed phase of projects or programs conducted by UC researchers or research teams in the areas of: Mexico-Related Studies; Latino Studies; United States-Mexican Relations; Critical U.S.-Mexico Issues; Latino and Mexican Topics in the Arts; and Collaborative Research Projects with Investigators at Mexican Institutions. Awards of up to $1.5K for one year are available for the February and October competitions. The summer competition in June will provide awards up to $3K.
Instructional Improvement Program Grants
UC Santa Barbara
http://grants.id.ucsb.edu/sites/default/files/2010-2011%20IIIP%20Call_0.pdf
Contact: Kim McShane, 893-2972, kim@id.ucsb.edu
Solicitation number:
The purpose of this program is to encourage and support faculty efforts to enhance the quality of undergraduate instruction. Individual faculty members or entire academic units are strongly encouraged to apply. Grants are intended to support major development or restructuring of individual undergraduate courses, course sequences, or entire undergraduate curricula. The program will give preference to project proposals from faculty and departments to develop course materials and instructional strategies that address logistical and instructional issues related to larger class sizes, increased pressure on bottleneck and oversubscribed courses, and fewer Teaching Assistants, by taking maximum advantage of the course management system and its capabilities.

Grants for Collaborative Projects
UC Institute for Mexico and the United States (UC MEXUS)
http://www.ucmexus.ucr.edu/funding/grant_collaborative.html
Contact: Andrea Kaus, 951/827-3586, andrea.kaus@ucr.edu
Solicitation number:
This program provides seed funding to teams of UC and Mexican researchers with beginning projects in basic and applied collaborative research, instructional development, and public service and education projects that apply research to public issues. The primary objective of the program is to enable the establishment of new collaborative initiatives with the potential for creating permanent ties between UC campuses and Mexican institutions that will grow and continue with the support of other institutional and extramural funds. Each proposal must be co-directed by an eligible PI from a UC campus and an eligible PI from a Mexican institution that is part of the Registro Nacional de Instituciones y Empresas Científicas y Tecnológicas. Awards of up to $25K will be provided for the 18-month period.

CIRM Disease Team Therapy Development Awards
California Institute for Regenerative Medicine
http://www.cirm.ca.gov/RFA_10-05
Contact: Varies with research interest
Solicitation number: RFA 10-05
These awards support preclinical and/or early clinical development of novel therapies derived from or targeting stem cells or utilizing direct reprogramming that may offer unique benefit with well-considered risk to persons with disease or serious injury. These awards will support both a Planning Award (Part I) and a Research Award (Part II). With limited exceptions, receipt of a Part I Planning Award will be a prerequisite for submission of an application for a Part II Research Award. A Part I Planning Award will provide up to $110K total costs for up to six months of team assembly, planning, and proposal development for the Part II application. Part II Research Awards will provide up to $20M of the total costs for up to four years for actively managed teams to conduct milestone-driven translational research to achieve the objective(s) of the RFA.

California Science and Technology Policy Fellowships
California Council on Science and Technology (CCST)
http://www.fellows.ccst.us/index.php
Contact: info@fellows.ccst.us
Solicitation number:
These Fellowships place professional scientists and engineers in the California State Legislature for one-year appointments. These professional development opportunities will enable fellows to work hands on with policy-makers to develop solutions to complex scientific and technical issues facing California through their interaction with the legislative process. The base stipend is $45K.
UC Historically Black Colleges and Universities Initiative
University of California
http://www.ucop.edu/research/gs/uchcu/call.html
Contact: mailto:gradstudies@ucop.edu

Solicitation number:
The goal of the UC-HBCU Initiative is to increase the number of scholars from Historically Black College or Universities enrolling in UC academic doctoral program. UCOP invites proposals from UC faculty members to work with undergraduate and master level research scholars from HBCUs. Funds will be awarded to support summer research internships as well as other collaborations or opportunities. Grants are available to PIs in all disciplines. Participating students must be an enrolled student in good standing at a HBCU.

Daryl and Marguerite Errett Discovery Award in Biomedical Research
UC Santa Barbara
http://engineering.ucsb.edu/pdf/RFA_Errett_Fisher_Foundation_Discovery_Award.pdf
Contact: Michelle Veal, 805/893-3456, Michelle@icb.ucsb.edu

Solicitation number:
All faculty members at UCSB are invited to nominate a postdoctoral fellow (or project scientist or professional researcher) for this prestigious award that provides seed funding to support his/her innovative, cutting-edge research in biomedicine that might be considered too risky by agencies such as NIH. The funds awarded may be used by the young scientist for any costs associated with the proposed project including salary, research supplies and access to equipment and instrumentation. Domestic and international postdocs may apply for up to $50K.

Santa Barbara Cottage Hospital Research Grants
Santa Barbara Cottage Hospital
http://www.cottagehealthsystem.org/LinkClick.aspx?link=1026&tabid=185
Contact: Betsy Lazarine, 805/569-7436, blazarin@sbch.org

Solicitation number:
This program has been established to encourage medical research by health professionals affiliated with Cottage Health System. The program can provide funding of up to $15K for innovative new ideas and small research projects. Scientists not affiliated with Cottage are eligible if there is a co-investigator who is a health professional affiliated with Cottage Health System.

Non-Senate Faculty Professional Development Fund
UC Santa Barbara
Contact: Yumi Kinoshita, ykinoshita@arts.ucsb.edu

Solicitation number:
Funds are available for use by all UCSB non-senate faculty, regardless of type or length of appointment. Recipients must have an active appointment while completing the project and when the expenses are reimbursed. Some preference may be given to new applicants. This announcement calls for a wide range of proposals related to non-senate faculty development. Funds may be used for conference and research travel, course relief, workshop attendance, creative/research projects, materials specifically related to a special project, or for other purposes related to non-senate faculty development. Awards will be granted in two categories: small (up to $1K) and large (over $1K).
9/19/2011 Proposal

**UC MEXUS Grants**

UC Institute for Mexico and the United States (UC MEXUS)

http://www.ucmexus.ucr.edu/funding/grant_faculty.html

Contact: Andrea Kaus, 951/827-3586, andrea.kaus@ucr.edu

Solicitation number:

UC MEXUS announces a competition for funding of projects conducted by UC researchers or research teams in all disciplines in the areas of Mexico-Related Studies, Latino Studies, United States-Mexican Relations, Critical U.S.-Mexico Issues, Latino and Mexican Topics in the Arts & Humanities, and Collaborative Research Projects with Investigators at Mexican Institutions. The competition is intended to provide seed funds for new or developing projects. Awards of up to $15K will be provided for the one-year period.

12/31/2011 Ongoing

**California Wellness Grants**

California Wellness Foundation

http://www.calwellness.org/how_to_apply/

Contact: 818/702-1900

Solicitation number:

The Foundation supports organizations working to improve the health of underserved communities in California. The following health issues are prioritized: Diversity in the Health Professions; Environmental Health; Healthy Aging; Mental Health; Teenage Pregnancy Prevention; Violence Prevention; Women's Health; and Work and Health. While project funding requests are accepted, requests for core operating support are particularly encouraged. An organization must first write a one- or twopage letter of interest.

12/31/2011 Ongoing

**Research Opportunity Funds**

University of California

http://www.ucop.edu/research/documents/research_opp_fund.pdf

Contact: orgs@ucop.edu

Solicitation number:

The UCOP Office of Research and Graduate Studies (ORGS) has a limited pool of Research Opportunity Funds available to support one-time funding requests to initiate multi-campus or system-wide research projects. Funding is for small projects that are intended to spawn larger, long-term programs, supported by external funding, that will increase UC's competitiveness, advance research discoveries, impact the lives of Californians, inform public policy, or support innovative graduate student research. Typical requests should be no more than $20K; larger requests will be considered in rare cases for projects of unusually large impact. Funding requests must have a UCOP sponsor, who will take responsibility for the award, and work with the awardees to produce a product or result. For assistance in finding a UCOP sponsor, contact your campus Office of Research, or email the UCOP office at orgs@ucop.edu. Requests may be submitted to ORGS throughout the year, and will be considered on a quarterly basis.